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IES INDOOR REPORT
PHOTOMETRIC FILENAME : ACR-4071-OPAL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 13498111.09
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 9/29/2020
[MANUFAC] Justice Design Group L L C
[LUMCAT] ACR-4071-OPAL
[LUMINAIRE] Square metal frame housing with diffuse lens
[LAMP] White LED array
[BALLAST] E-K TOP YY-01-11
[OTHER] 24.9 C, 120.046 V, 0.244558 A, 28.6923 W, 0.977322 PF, 59.9997
[MORE] Hz
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1680
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	28.6923
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.42 ft
Luminous Width (90-270)	1.42 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2611	2609	2615
55	2764	2784	2769
65	3081	3142	3087
75	3888	3996	3874
85	5400	5607	5608

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	468.40	468.40	468.40	468.40	468.40
0.5	468.20	468.40	468.50	468.40	468.40
1.0	468.20	468.40	468.40	468.30	468.30
1.5	468.10	468.20	468.40	468.30	468.30
2.0	467.80	468.00	468.10	468.10	468.00
2.5	467.90	467.90	468.00	468.00	468.00
3.0	467.70	467.80	467.80	467.70	468.10
3.5	467.20	467.60	467.60	467.50	467.30
4.0	467.10	467.20	467.40	467.20	467.50
4.5	466.90	467.00	467.00	466.80	466.70
5.0	466.30	466.70	466.80	466.50	466.70
5.5	466.00	466.20	466.40	466.10	466.10
6.0	465.60	465.90	465.90	465.70	465.70
6.5	465.10	465.30	465.30	465.40	465.40
7.0	464.50	464.70	464.90	464.70	464.70
7.5	464.10	464.30	464.30	464.10	464.30
8.0	463.40	463.70	463.70	463.70	463.60
8.5	462.70	462.90	463.10	462.80	463.00
9.0	462.10	462.10	462.30	462.20	462.30
9.5	461.40	461.50	461.60	461.40	461.50
10.0	460.90	460.90	461.00	460.80	460.90
10.5	460.00	460.20	460.30	460.10	460.20
11.0	459.20	459.40	459.50	459.30	459.50
11.5	458.60	458.40	458.60	458.30	458.50
12.0	457.60	457.60	457.60	457.50	457.70
12.5	456.80	456.60	456.70	456.40	456.50
13.0	455.50	455.60	455.50	455.70	455.70
13.5	454.60	454.70	454.80	454.80	454.90
14.0	453.60	453.80	453.90	453.70	453.80
14.5	452.40	452.60	452.90	452.60	452.70
15.0	451.40	451.50	451.70	451.50	451.60
15.5	450.20	450.40	450.40	450.30	450.10
16.0	449.10	449.40	449.20	449.20	449.20
16.5	447.80	448.10	448.20	448.10	447.90
17.0	446.50	446.90	446.90	446.80	446.80
17.5	445.40	445.80	445.50	445.60	445.50
18.0	444.10	444.30	444.20	444.40	444.20
18.5	442.70	443.10	442.90	443.00	442.80
19.0	441.30	441.70	441.60	441.60	441.60
19.5	440.00	440.60	440.30	440.30	440.10
20.0	438.60	439.10	438.80	438.80	438.80
20.5	437.10	437.60	437.50	437.50	437.20
21.0	435.80	436.10	436.00	436.00	435.90
21.5	434.10	434.60	434.40	434.60	434.30
22.0	433.10	433.20	432.90	433.00	432.90
22.5	431.30	431.50	431.40	431.50	431.40
23.0	430.00	430.10	429.70	430.00	429.90
23.5	428.60	428.50	428.00	428.30	428.40
24.0	427.20	426.80	426.50	426.70	426.90
24.5	425.70	425.30	425.00	425.30	425.40
25.0	424.00	423.60	423.40	423.60	423.70
25.5	422.60	422.10	421.60	421.90	422.30
26.0	420.80	420.40	419.70	420.30	420.60
26.5	419.00	418.70	417.90	418.60	418.90

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CANDELA TABULATION - (Cont.)

27.0	417.40	417.00	416.30	417.10	417.30
27.5	415.70	415.30	414.60	415.40	415.70
28.0	414.00	413.70	412.70	413.60	414.00
28.5	412.00	412.00	410.90	412.00	412.20
29.0	410.50	410.30	409.10	410.20	410.50
29.5	408.60	408.50	407.20	408.30	408.70
30.0	406.80	406.70	405.30	406.60	407.00
30.5	404.90	404.80	403.50	404.80	405.20
31.0	403.20	403.10	401.80	402.80	403.40
31.5	401.40	401.30	399.90	401.10	401.50
32.0	399.60	399.40	398.00	399.30	399.70
32.5	397.60	397.50	396.20	397.30	397.60
33.0	396.00	395.40	394.30	395.40	395.80
33.5	393.90	393.70	392.30	393.40	394.00
34.0	392.20	391.70	390.50	391.60	391.90
34.5	390.30	389.70	388.40	389.50	390.20
35.0	388.40	387.70	386.50	387.60	388.10
35.5	386.60	385.70	384.60	385.70	386.20
36.0	384.70	383.70	382.60	383.60	384.30
36.5	382.80	381.70	380.70	381.60	382.20
37.0	380.90	379.60	378.60	379.40	380.30
37.5	378.70	377.60	376.50	377.30	378.10
38.0	376.70	375.40	374.60	375.30	376.20
38.5	374.60	373.30	372.50	373.20	374.00
39.0	372.40	371.20	370.50	371.00	371.90
39.5	370.20	369.00	368.30	368.90	370.00
40.0	368.00	366.80	366.20	366.60	367.90
40.5	365.70	364.60	364.10	364.40	365.50
41.0	363.60	362.40	361.90	362.20	363.20
41.5	361.20	360.20	359.90	360.00	361.00
42.0	358.90	358.00	357.70	358.00	359.00
42.5	356.50	355.70	355.70	355.60	356.60
43.0	354.10	353.50	353.50	353.50	354.40
43.5	351.60	351.20	351.20	351.10	352.10
44.0	349.20	348.80	349.10	348.80	349.80
44.5	347.00	346.60	346.80	346.40	347.40
45.0	344.70	344.40	344.50	344.30	345.20
45.5	342.20	341.90	342.50	342.10	343.10
46.0	339.90	339.80	340.20	339.90	340.70
46.5	337.50	337.40	337.90	337.30	338.40
47.0	335.30	335.10	335.70	335.10	335.90
47.5	332.70	332.80	333.30	332.80	333.50
48.0	330.40	330.40	331.10	330.30	331.40
48.5	327.90	328.10	328.80	328.00	329.00
49.0	325.50	325.70	326.60	325.80	326.70
49.5	323.00	323.40	324.20	323.30	324.00
50.0	320.50	320.90	322.00	321.00	321.50
50.5	318.20	318.60	319.50	318.40	319.10
51.0	315.90	316.30	317.10	316.00	316.60
51.5	313.20	313.70	314.80	313.70	314.30
52.0	311.10	311.20	312.60	311.30	311.90
52.5	308.60	308.90	310.20	308.90	309.50
53.0	306.00	306.40	307.80	306.40	307.00
53.5	303.40	304.00	305.40	303.90	304.30
54.0	300.90	301.50	302.90	301.50	301.70
54.5	298.30	299.00	300.40	298.90	299.10

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CANDELA TABULATION - (Cont.)

55.0	296.00	296.70	298.10	296.50	296.50
55.5	293.40	294.20	295.80	294.20	294.00
56.0	290.80	291.70	293.30	291.60	291.60
56.5	288.30	289.20	290.80	289.20	289.00
57.0	285.50	286.70	288.40	286.80	286.40
57.5	283.10	284.20	286.00	284.00	283.60
58.0	280.40	281.80	283.50	281.60	281.10
58.5	277.90	279.40	281.00	279.20	278.50
59.0	275.30	276.80	278.60	276.70	275.80
59.5	272.50	274.00	276.00	274.10	273.10
60.0	270.10	271.50	273.50	271.60	270.90
60.5	267.40	268.80	271.00	268.80	267.60
61.0	264.80	266.40	268.60	266.50	265.10
61.5	262.00	263.90	266.00	263.60	262.00
62.0	259.40	261.00	263.50	261.30	259.60
62.5	256.90	258.50	261.00	258.60	257.00
63.0	254.20	255.90	258.20	256.00	254.20
63.5	251.30	253.30	255.90	253.20	251.30
64.0	248.60	250.40	253.00	250.50	248.60
64.5	246.00	248.10	250.40	248.00	245.80
65.0	243.10	245.10	247.90	245.20	243.60
65.5	240.80	242.50	245.40	242.80	240.60
66.0	237.90	239.60	242.80	239.90	237.90
66.5	235.60	236.70	240.10	237.30	235.10
67.0	233.00	234.60	237.30	234.40	232.10
67.5	230.00	231.50	234.70	232.00	229.10
68.0	227.30	229.30	232.10	229.30	226.50
68.5	225.20	226.40	229.30	226.60	223.50
69.0	221.80	223.90	226.60	223.90	220.90
69.5	219.30	221.50	223.90	221.30	218.20
70.0	216.20	218.70	220.90	218.30	215.50
70.5	213.60	216.10	218.30	215.70	212.70
71.0	210.90	213.60	215.50	213.20	209.90
71.5	207.90	210.60	213.20	210.50	207.30
72.0	205.20	208.00	210.50	207.70	204.50
72.5	202.80	205.40	207.60	204.80	201.60
73.0	199.40	202.40	204.70	201.90	198.70
73.5	196.30	199.80	201.80	199.20	195.90
74.0	193.70	196.80	198.80	196.40	192.90
74.5	190.70	193.90	196.10	193.50	190.10
75.0	187.90	191.10	193.10	190.50	187.20
75.5	184.70	188.00	189.90	187.50	184.30
76.0	181.60	185.30	186.80	184.60	181.40
76.5	178.60	182.10	183.60	181.50	178.40
77.0	176.00	179.00	180.10	178.60	175.50
77.5	172.80	176.10	176.80	175.30	172.60
78.0	169.90	172.60	173.10	172.10	169.40
78.5	166.30	169.30	169.30	168.70	166.30
79.0	163.30	165.80	165.70	165.20	163.30
79.5	160.00	162.10	161.50	161.70	159.90
80.0	156.70	158.50	157.20	157.90	156.70
80.5	153.20	154.40	152.50	154.00	153.40
81.0	149.70	150.10	147.70	149.90	149.70
81.5	145.90	145.60	142.70	145.40	145.80
82.0	141.60	140.50	137.10	140.30	140.80
82.5	135.60	134.60	131.10	134.50	134.60

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CANDELA TABULATION - (Cont.)

83.0	127.10	127.70	124.60	127.60	127.80
83.5	118.10	119.90	117.40	120.30	120.00
84.0	108.50	110.80	109.30	111.70	110.60
84.5	98.28	101.40	100.70	102.10	101.10
85.0	87.88	91.37	91.24	92.27	91.26
85.5	77.46	81.15	81.36	81.97	81.06
86.0	66.90	70.93	71.34	71.86	70.91
86.5	56.64	60.84	61.29	61.79	60.68
87.0	46.65	50.81	51.32	51.75	50.56
87.5	36.89	41.09	41.51	41.78	40.74
88.0	27.59	31.79	32.08	32.09	31.35
88.5	18.70	22.85	23.09	23.05	22.42
89.0	10.40	14.69	14.90	14.92	14.14
89.5	3.01	8.54	8.95	9.67	9.05
90.0	0.00	0.00	0.00	0.00	0.00
90.5	0.00	0.00	0.00	0.00	0.00
91.0	0.00	0.00	0.00	0.00	0.00
91.5	0.00	0.00	0.00	0.00	0.00
92.0	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00
93.0	0.00	0.00	0.00	0.00	0.00
93.5	0.00	0.00	0.00	0.00	0.00
94.0	0.00	0.00	0.00	0.00	0.00
94.5	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00
95.5	0.00	0.00	0.00	0.00	0.00
96.0	0.00	0.00	0.00	0.00	0.00
96.5	0.00	0.00	0.00	0.00	0.00
97.0	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00
98.0	0.00	0.00	0.00	0.00	0.00
98.5	0.00	0.00	0.00	0.00	0.00
99.0	0.00	0.00	0.00	0.00	0.00
99.5	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00
100.5	0.00	0.00	0.00	0.00	0.00
101.0	0.00	0.00	0.00	0.00	0.00
101.5	0.00	0.00	0.00	0.00	0.00
102.0	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00
103.0	0.00	0.00	0.00	0.00	0.00
103.5	0.00	0.00	0.00	0.00	0.00
104.0	0.00	0.00	0.00	0.00	0.00
104.5	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00
105.5	0.00	0.00	0.00	0.00	0.00
106.0	0.00	0.00	0.00	0.00	0.00
106.5	0.00	0.00	0.00	0.00	0.00
107.0	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00
108.0	0.00	0.00	0.00	0.00	0.00
108.5	0.00	0.00	0.00	0.00	0.00
109.0	0.00	0.00	0.00	0.00	0.00
109.5	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00
110.5	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

111.0	0.00	0.00	0.00	0.00	0.00
111.5	0.00	0.00	0.00	0.00	0.00
112.0	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00
113.0	0.00	0.00	0.00	0.00	0.00
113.5	0.00	0.00	0.00	0.00	0.00
114.0	0.00	0.00	0.00	0.00	0.00
114.5	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00
115.5	0.00	0.00	0.00	0.00	0.00
116.0	0.00	0.00	0.00	0.00	0.00
116.5	0.00	0.00	0.00	0.00	0.00
117.0	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00
118.0	0.00	0.00	0.00	0.00	0.00
118.5	0.00	0.00	0.00	0.00	0.00
119.0	0.00	0.00	0.00	0.00	0.00
119.5	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00
120.5	0.00	0.00	0.00	0.00	0.00
121.0	0.00	0.00	0.00	0.00	0.00
121.5	0.00	0.00	0.00	0.00	0.00
122.0	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00
123.0	0.00	0.00	0.00	0.00	0.00
123.5	0.00	0.00	0.00	0.00	0.00
124.0	0.00	0.00	0.00	0.00	0.00
124.5	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00
125.5	0.00	0.00	0.00	0.00	0.00
126.0	0.00	0.00	0.00	0.00	0.00
126.5	0.00	0.00	0.00	0.00	0.00
127.0	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00
128.0	0.00	0.00	0.00	0.00	0.00
128.5	0.00	0.00	0.00	0.00	0.00
129.0	0.00	0.00	0.00	0.00	0.00
129.5	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00
130.5	0.00	0.00	0.00	0.00	0.00
131.0	0.00	0.00	0.00	0.00	0.00
131.5	0.00	0.00	0.00	0.00	0.00
132.0	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00
133.0	0.00	0.00	0.00	0.00	0.00
133.5	0.00	0.00	0.00	0.00	0.00
134.0	0.00	0.00	0.00	0.00	0.00
134.5	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00
135.5	0.00	0.00	0.00	0.00	0.00
136.0	0.00	0.00	0.00	0.00	0.00
136.5	0.00	0.00	0.00	0.00	0.00
137.0	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00
138.0	0.00	0.00	0.00	0.00	0.00
138.5	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

139.0	0.00	0.00	0.00	0.00	0.00
139.5	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00
140.5	0.00	0.00	0.00	0.00	0.00
141.0	0.00	0.00	0.00	0.00	0.00
141.5	0.00	0.00	0.00	0.00	0.00
142.0	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00
143.0	0.00	0.00	0.00	0.00	0.00
143.5	0.00	0.00	0.00	0.00	0.00
144.0	0.00	0.00	0.00	0.00	0.00
144.5	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00
145.5	0.00	0.00	0.00	0.00	0.00
146.0	0.00	0.00	0.00	0.00	0.00
146.5	0.00	0.00	0.00	0.00	0.00
147.0	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00
148.0	0.00	0.00	0.00	0.00	0.00
148.5	0.00	0.00	0.00	0.00	0.00
149.0	0.00	0.00	0.00	0.00	0.00
149.5	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00
150.5	0.00	0.00	0.00	0.00	0.00
151.0	0.00	0.00	0.00	0.00	0.00
151.5	0.00	0.00	0.00	0.00	0.00
152.0	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00
153.0	0.00	0.00	0.00	0.00	0.00
153.5	0.00	0.00	0.00	0.00	0.00
154.0	0.00	0.00	0.00	0.00	0.00
154.5	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00
155.5	0.00	0.00	0.00	0.00	0.00
156.0	0.00	0.00	0.00	0.00	0.00
156.5	0.00	0.00	0.00	0.00	0.00
157.0	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00
158.0	0.00	0.00	0.00	0.00	0.00
158.5	0.00	0.00	0.00	0.00	0.00
159.0	0.00	0.00	0.00	0.00	0.00
159.5	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00
160.5	0.00	0.00	0.00	0.00	0.00
161.0	0.00	0.00	0.00	0.00	0.00
161.5	0.00	0.00	0.00	0.00	0.00
162.0	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00
163.0	0.00	0.00	0.00	0.00	0.00
163.5	0.00	0.00	0.00	0.00	0.00
164.0	0.00	0.00	0.00	0.00	0.00
164.5	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00
165.5	0.00	0.00	0.00	0.00	0.00
166.0	0.00	0.00	0.00	0.00	0.00
166.5	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00
168.0	0.00	0.00	0.00	0.00	0.00
168.5	0.00	0.00	0.00	0.00	0.00
169.0	0.00	0.00	0.00	0.00	0.00
169.5	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00
170.5	0.00	0.00	0.00	0.00	0.00
171.0	0.00	0.00	0.00	0.00	0.00
171.5	0.00	0.00	0.00	0.00	0.00
172.0	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00
173.0	0.00	0.00	0.00	0.00	0.00
173.5	0.00	0.00	0.00	0.00	0.00
174.0	0.00	0.00	0.00	0.00	0.00
174.5	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00
175.5	0.00	0.00	0.00	0.00	0.00
176.0	0.00	0.00	0.00	0.00	0.00
176.5	0.00	0.00	0.00	0.00	0.00
177.0	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00
178.0	0.00	0.00	0.00	0.00	0.00
178.5	0.00	0.00	0.00	0.00	0.00
179.0	0.00	0.00	0.00	0.00	0.00
179.5	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	171.85	N.A.	10.20
0-30	367.30	N.A.	21.90
0-40	610.06	N.A.	36.30
0-60	1142.06	N.A.	68.00
0-80	1585.73	N.A.	94.40
0-90	1679.8	N.A.	100.00
10-90	1635.45	N.A.	97.40
20-40	438.20	N.A.	26.10
20-50	704.41	N.A.	41.90
40-70	775.16	N.A.	46.10
60-80	443.68	N.A.	26.40
70-80	200.52	N.A.	11.90
80-90	94.07	N.A.	5.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1679.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	44.35
10-20	127.50
20-30	195.45
30-40	242.76
40-50	266.20
50-60	265.80
60-70	243.16
70-80	200.52
80-90	94.07
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	95	90	103	98	93	89	93	89	86	89	86	83	86	83	81	78
2	95	86	78	71	92	84	76	70	80	74	68	76	71	67	73	69	65	63
3	86	74	65	57	83	72	64	57	69	62	56	66	60	55	64	58	54	51
4	78	65	55	48	76	64	54	47	61	53	47	59	52	46	56	50	45	43
5	72	58	48	41	69	56	47	40	54	46	40	52	45	39	50	44	39	37
6	66	52	42	35	64	51	42	35	49	41	35	47	40	34	45	39	34	32
7	61	47	37	31	59	46	37	31	44	36	30	43	35	30	41	35	30	28
8	57	42	33	27	55	42	33	27	40	33	27	39	32	27	38	31	27	25
9	53	39	30	24	52	38	30	24	37	29	24	36	29	24	35	29	24	22
10	50	36	28	22	48	35	27	22	34	27	22	33	26	22	32	26	22	20

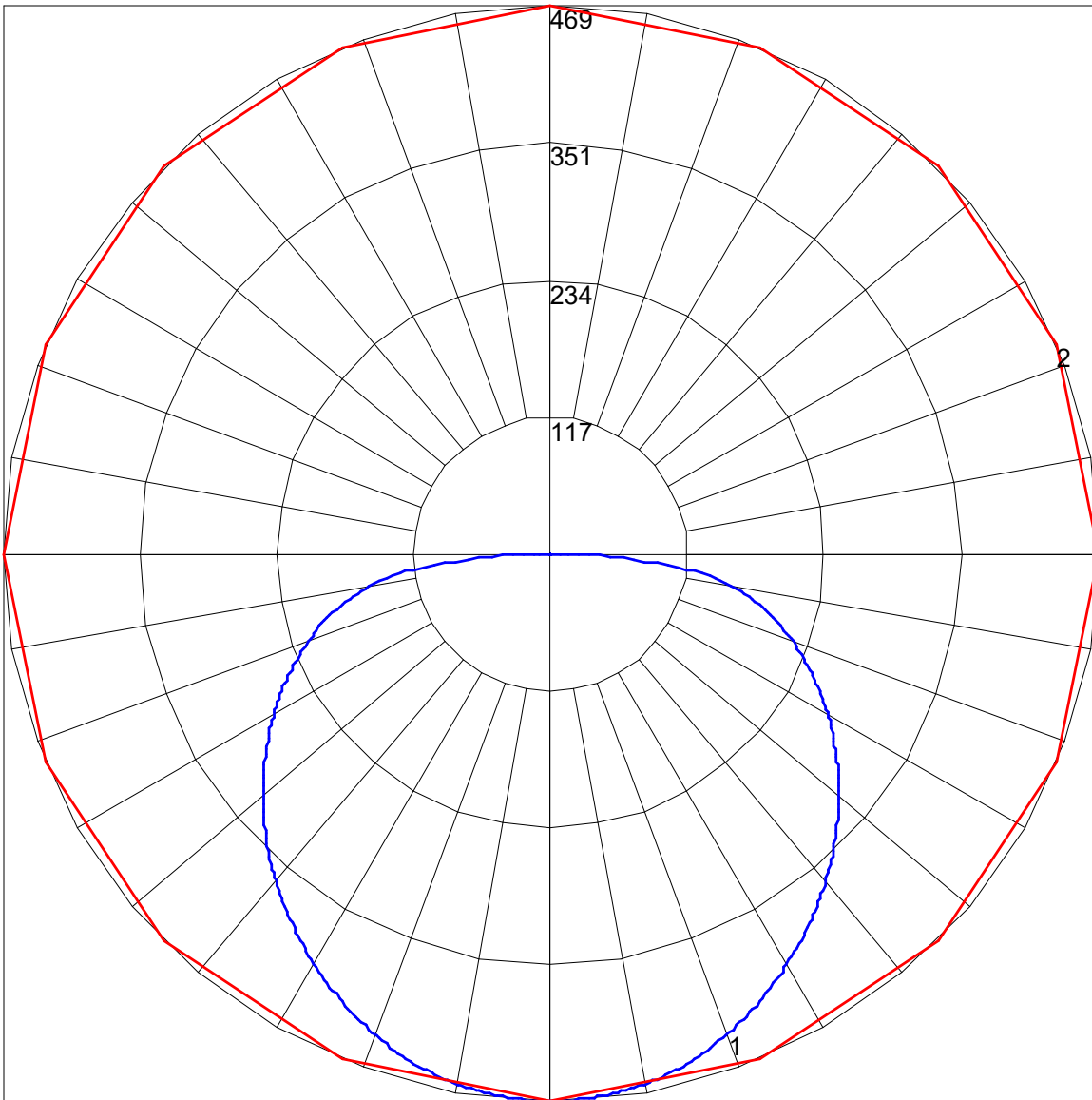
IES INDOOR REPORT
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UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	15.7	17.5	16.1	17.8	18.1	15.7	17.5	16.1	17.8	18.1
	3H	18.4	20.0	18.7	20.3	20.7	18.4	20.0	18.7	20.3	20.7
	4H	19.7	21.2	20.1	21.5	21.9	19.6	21.2	20.0	21.5	21.9
	6H	21.0	22.4	21.4	22.8	23.1	21.0	22.4	21.4	22.7	23.1
	8H	21.6	23.0	22.0	23.4	23.8	21.6	23.0	22.0	23.3	23.7
	12H	22.1	23.4	22.5	23.8	24.2	22.1	23.4	22.5	23.8	24.2
4H	2H	16.6	18.1	17.0	18.5	18.9	16.6	18.1	17.0	18.5	18.9
	3H	19.5	20.8	19.9	21.2	21.6	19.5	20.8	19.9	21.2	21.6
	4H	21.0	22.2	21.4	22.6	23.0	21.0	22.2	21.4	22.6	23.0
	6H	22.5	23.5	22.9	24.0	24.4	22.5	23.5	22.9	24.0	24.4
	8H	23.2	24.2	23.6	24.6	25.1	23.2	24.2	23.6	24.6	25.1
	12H	23.8	24.7	24.3	25.2	25.6	23.8	24.7	24.3	25.2	25.6
8H	4H	21.6	22.6	22.1	23.1	23.5	21.6	22.6	22.1	23.0	23.5
	6H	23.3	24.2	23.8	24.7	25.1	23.3	24.2	23.8	24.7	25.1
	8H	24.2	25.0	24.7	25.5	26.0	24.2	25.0	24.7	25.5	25.9
	12H	24.9	25.6	25.4	26.1	26.6	24.9	25.6	25.4	26.1	26.6
12H	4H	21.8	22.7	22.2	23.2	23.6	21.8	22.7	22.2	23.1	23.6
	6H	23.6	24.3	24.1	24.8	25.3	23.6	24.3	24.1	24.8	25.3
	8H	24.5	25.2	25.0	25.7	26.2	24.5	25.2	25.0	25.7	26.2

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 468.5 Located At Horizontal Angle = 45, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)