

Day-Brite



by Signify

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RBX10L840-ARR16SL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO36836.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 7/27/16
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] RBX10L840-UNV-WT-ARR16SL
[LUMINAIRE] RBX 16"
[MORE] FROSTED ACRYLIC HIGHBAY 2-DSL3 4000K BOARDS 95W DRIVER 3.92K RESISTOR
[LAMP] LED. LUMINAIRE OUTPUT = 11611 LUMENS
[TESTDATE] 7/27/16
[_LM79] Absolute Photometry tested in accordance with IES procedure LM79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11611
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	86.5
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	0.75 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11623	11623	11623
55	5453	5453	5453
65	5032	5032	5032
75	5227	5227	5227
85	5203	5203	5203

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	4274.7	4274.7	4274.7	4274.7	4274.7	4274.7	4274.7	4274.7	4274.7	4274.7
2.5	4291.5	4291.5	4291.5	4291.5	4291.5	4291.5	4291.5	4291.5	4291.5	4291.5
5.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0
7.5	4404.3	4404.3	4404.3	4404.3	4404.3	4404.3	4404.3	4404.3	4404.3	4404.3
10.0	4465.8	4465.8	4465.8	4465.8	4465.8	4465.8	4465.8	4465.8	4465.8	4465.8
12.5	4491.9	4491.9	4491.9	4491.9	4491.9	4491.9	4491.9	4491.9	4491.9	4491.9
15.0	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5
17.5	4475.7	4475.7	4475.7	4475.7	4475.7	4475.7	4475.7	4475.7	4475.7	4475.7
20.0	4400.6	4400.6	4400.6	4400.6	4400.6	4400.6	4400.6	4400.6	4400.6	4400.6
22.5	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0
25.0	4202.8	4202.8	4202.8	4202.8	4202.8	4202.8	4202.8	4202.8	4202.8	4202.8
27.5	4065.6	4065.6	4065.6	4065.6	4065.6	4065.6	4065.6	4065.6	4065.6	4065.6
30.0	3874.0	3874.0	3874.0	3874.0	3874.0	3874.0	3874.0	3874.0	3874.0	3874.0
32.5	3617.3	3617.3	3617.3	3617.3	3617.3	3617.3	3617.3	3617.3	3617.3	3617.3
35.0	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5
37.5	2865.7	2865.7	2865.7	2865.7	2865.7	2865.7	2865.7	2865.7	2865.7	2865.7
40.0	2468.1	2468.1	2468.1	2468.1	2468.1	2468.1	2468.1	2468.1	2468.1	2468.1
42.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
45.0	1824.1	1824.1	1824.1	1824.1	1824.1	1824.1	1824.1	1824.1	1824.1	1824.1
47.5	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0
50.0	1276.1	1276.1	1276.1	1276.1	1276.1	1276.1	1276.1	1276.1	1276.1	1276.1
52.5	1016.1	1016.1	1016.1	1016.1	1016.1	1016.1	1016.1	1016.1	1016.1	1016.1
55.0	818.4	818.4	818.4	818.4	818.4	818.4	818.4	818.4	818.4	818.4
57.5	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8
60.0	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1
62.5	703.7	703.7	703.7	703.7	703.7	703.7	703.7	703.7	703.7	703.7
65.0	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7
67.5	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2
70.0	676.2	676.2	676.2	676.2	676.2	676.2	676.2	676.2	676.2	676.2
72.5	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1
75.0	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1
77.5	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8
80.0	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3
82.5	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1
85.0	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4
87.5	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
90.0	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3
92.5	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8
95.0	438.1	438.1	438.1	438.1	438.1	438.1	438.1	438.1	438.1	438.1
97.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5
100.0	406.6	406.6	406.6	406.6	406.6	406.6	406.6	406.6	406.6	406.6
102.5	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6
105.0	374.7	374.7	374.7	374.7	374.7	374.7	374.7	374.7	374.7	374.7
107.5	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3
110.0	344.2	344.2	344.2	344.2	344.2	344.2	344.2	344.2	344.2	344.2
112.5	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7
115.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0
117.5	303.1	303.1	303.1	303.1	303.1	303.1	303.1	303.1	303.1	303.1
120.0	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7
122.5	278.9	278.9	278.9	278.9	278.9	278.9	278.9	278.9	278.9	278.9
125.0	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4
127.5	256.4	256.4	256.4	256.4	256.4	256.4	256.4	256.4	256.4	256.4
130.0	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9
132.5	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0

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CANDELA TABULATION - (Cont.)

135.0	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3
137.5	216.6	216.6	216.6	216.6	216.6	216.6	216.6	216.6	216.6	216.6
140.0	207.0	207.0	207.0	207.0	207.0	207.0	207.0	207.0	207.0	207.0
142.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5
145.0	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9
147.5	178.4	178.4	178.4	178.4	178.4	178.4	178.4	178.4	178.4	178.4
150.0	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6
152.5	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6
155.0	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2
157.5	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3
160.0	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.6
162.5	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3
165.0	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
167.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
170.0	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
172.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
175.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
177.5	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
180.0	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	4274.7	4274.7	4274.7	4274.7	4274.7	4274.7	4274.7
2.5	4291.5	4291.5	4291.5	4291.5	4291.5	4291.5	4291.5
5.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0
7.5	4404.3	4404.3	4404.3	4404.3	4404.3	4404.3	4404.3
10.0	4465.8	4465.8	4465.8	4465.8	4465.8	4465.8	4465.8
12.5	4491.9	4491.9	4491.9	4491.9	4491.9	4491.9	4491.9
15.0	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5
17.5	4475.7	4475.7	4475.7	4475.7	4475.7	4475.7	4475.7
20.0	4400.6	4400.6	4400.6	4400.6	4400.6	4400.6	4400.6
22.5	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0
25.0	4202.8	4202.8	4202.8	4202.8	4202.8	4202.8	4202.8
27.5	4065.6	4065.6	4065.6	4065.6	4065.6	4065.6	4065.6
30.0	3874.0	3874.0	3874.0	3874.0	3874.0	3874.0	3874.0
32.5	3617.3	3617.3	3617.3	3617.3	3617.3	3617.3	3617.3
35.0	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5	3275.5
37.5	2865.7	2865.7	2865.7	2865.7	2865.7	2865.7	2865.7
40.0	2468.1	2468.1	2468.1	2468.1	2468.1	2468.1	2468.1
42.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
45.0	1824.1	1824.1	1824.1	1824.1	1824.1	1824.1	1824.1
47.5	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0
50.0	1276.1	1276.1	1276.1	1276.1	1276.1	1276.1	1276.1
52.5	1016.1	1016.1	1016.1	1016.1	1016.1	1016.1	1016.1
55.0	818.4	818.4	818.4	818.4	818.4	818.4	818.4
57.5	731.8	731.8	731.8	731.8	731.8	731.8	731.8
60.0	706.1	706.1	706.1	706.1	706.1	706.1	706.1
62.5	703.7	703.7	703.7	703.7	703.7	703.7	703.7
65.0	697.7	697.7	697.7	697.7	697.7	697.7	697.7
67.5	688.2	688.2	688.2	688.2	688.2	688.2	688.2
70.0	676.2	676.2	676.2	676.2	676.2	676.2	676.2
72.5	661.1	661.1	661.1	661.1	661.1	661.1	661.1
75.0	643.1	643.1	643.1	643.1	643.1	643.1	643.1
77.5	622.8	622.8	622.8	622.8	622.8	622.8	622.8
80.0	598.3	598.3	598.3	598.3	598.3	598.3	598.3

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CANDELA TABULATION - (Cont.)

82.5	568.1	568.1	568.1	568.1	568.1	568.1	568.1
85.0	539.4	539.4	539.4	539.4	539.4	539.4	539.4
87.5	502.3	502.3	502.3	502.3	502.3	502.3	502.3
90.0	474.3	474.3	474.3	474.3	474.3	474.3	474.3
92.5	453.8	453.8	453.8	453.8	453.8	453.8	453.8
95.0	438.1	438.1	438.1	438.1	438.1	438.1	438.1
97.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5
100.0	406.6	406.6	406.6	406.6	406.6	406.6	406.6
102.5	390.6	390.6	390.6	390.6	390.6	390.6	390.6
105.0	374.7	374.7	374.7	374.7	374.7	374.7	374.7
107.5	359.3	359.3	359.3	359.3	359.3	359.3	359.3
110.0	344.2	344.2	344.2	344.2	344.2	344.2	344.2
112.5	329.7	329.7	329.7	329.7	329.7	329.7	329.7
115.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0
117.5	303.1	303.1	303.1	303.1	303.1	303.1	303.1
120.0	290.7	290.7	290.7	290.7	290.7	290.7	290.7
122.5	278.9	278.9	278.9	278.9	278.9	278.9	278.9
125.0	267.4	267.4	267.4	267.4	267.4	267.4	267.4
127.5	256.4	256.4	256.4	256.4	256.4	256.4	256.4
130.0	245.9	245.9	245.9	245.9	245.9	245.9	245.9
132.5	236.0	236.0	236.0	236.0	236.0	236.0	236.0
135.0	226.3	226.3	226.3	226.3	226.3	226.3	226.3
137.5	216.6	216.6	216.6	216.6	216.6	216.6	216.6
140.0	207.0	207.0	207.0	207.0	207.0	207.0	207.0
142.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5
145.0	187.9	187.9	187.9	187.9	187.9	187.9	187.9
147.5	178.4	178.4	178.4	178.4	178.4	178.4	178.4
150.0	168.6	168.6	168.6	168.6	168.6	168.6	168.6
152.5	158.6	158.6	158.6	158.6	158.6	158.6	158.6
155.0	148.2	148.2	148.2	148.2	148.2	148.2	148.2
157.5	137.3	137.3	137.3	137.3	137.3	137.3	137.3
160.0	125.6	125.6	125.6	125.6	125.6	125.6	125.6
162.5	113.3	113.3	113.3	113.3	113.3	113.3	113.3
165.0	100.3	100.3	100.3	100.3	100.3	100.3	100.3
167.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3
170.0	70.8	70.8	70.8	70.8	70.8	70.8	70.8
172.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1
175.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
177.5	23.7	23.7	23.7	23.7	23.7	23.7	23.7
180.0	18.8	18.8	18.8	18.8	18.8	18.8	18.8

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1685.86	N.A.	14.50
0-30	3613.11	N.A.	31.10
0-40	5626.02	N.A.	48.50
0-60	7830.56	N.A.	67.40
0-80	9198.32	N.A.	79.20
0-90	9783.54	N.A.	84.30
10-90	9365.18	N.A.	80.70
20-40	3940.17	N.A.	33.90
20-50	5351.73	N.A.	46.10
40-70	2894.4	N.A.	24.90
60-80	1367.75	N.A.	11.80
70-80	677.89	N.A.	5.80
80-90	585.22	N.A.	5.00
90-110	875.71	N.A.	7.50
90-120	1190.27	N.A.	10.30
90-130	1430.87	N.A.	12.30
90-150	1725.07	N.A.	14.90
90-180	1827.7	N.A.	15.70
110-180	951.99	N.A.	8.20
0-180	11611.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	418.35
10-20	1267.5
20-30	1927.25
30-40	2012.91
40-50	1411.57
50-60	792.97
60-70	689.86
70-80	677.89
80-90	585.22
90-100	478.75
100-110	396.96
110-120	314.56
120-130	240.60
130-140	175.70
140-150	118.51
150-160	68.99
160-170	29.00
170-180	4.63

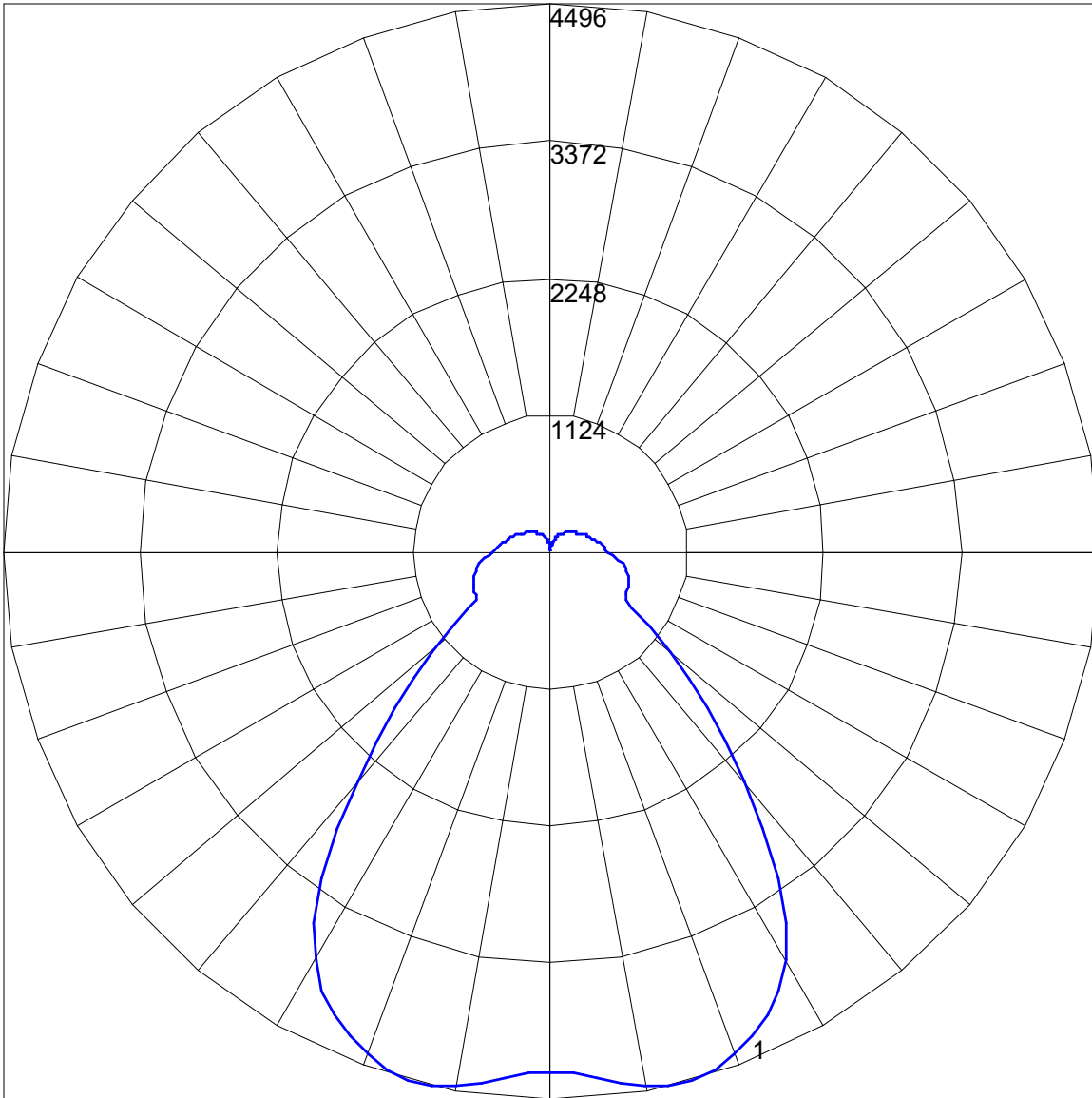
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	105	100	96	92	100	96	92	89	89	86	83	82	80	78	76	74	73	70
2	96	88	82	76	92	85	79	74	79	74	70	73	70	66	68	65	62	60
3	89	79	71	65	85	76	69	63	71	65	60	66	61	57	62	58	55	52
4	82	71	63	56	78	68	61	55	64	58	53	60	55	51	56	52	48	46
5	76	64	56	50	73	62	54	49	58	52	47	55	49	45	51	47	43	41
6	71	58	50	44	68	57	49	43	53	47	42	50	45	40	47	42	39	37
7	66	53	45	40	63	52	44	39	49	42	38	46	41	36	44	39	35	33
8	62	49	41	36	59	48	40	35	45	39	34	43	37	33	41	36	32	30
9	58	45	38	33	56	44	37	32	42	36	31	40	34	30	38	33	29	27
10	54	42	35	30	52	41	34	29	39	33	29	37	32	28	35	30	27	25

POLAR GRAPH



Maximum Candela = 4495.5 Located At Horizontal Angle = 0, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)