

Day-Brite



by Signify

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RBX10L835-ARR16SL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO36399.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 5/16/16
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] RBX10L835-UNV-WT-ARR16SL
[LUMINAIRE] RBX 16"
[MORE] FROSTED ACRYLIC OPEN HIGHBAY 2-DLS3 2015 3500K BOARDS 95W DRIVER 3.92K RESISTOR
[LAMP] LED. LUMINAIRE OUTPUT = 10968 LUMENS
[TESTDATE] 5/16/16
[_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	10968
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	86.1
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	13039	13039	13039
55	5478	5478	5478
65	4113	4113	4113
75	3152	3152	3152
85	2401	2401	2401

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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	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9
2.5	4681.3	4681.3	4681.3	4681.3	4681.3	4681.3	4681.3	4681.3	4681.3	4681.3
5.0	4703.5	4703.5	4703.5	4703.5	4703.5	4703.5	4703.5	4703.5	4703.5	4703.5
7.5	4732.1	4732.1	4732.1	4732.1	4732.1	4732.1	4732.1	4732.1	4732.1	4732.1
10.0	4762.7	4762.7	4762.7	4762.7	4762.7	4762.7	4762.7	4762.7	4762.7	4762.7
12.5	4780.9	4780.9	4780.9	4780.9	4780.9	4780.9	4780.9	4780.9	4780.9	4780.9
15.0	4784.2	4784.2	4784.2	4784.2	4784.2	4784.2	4784.2	4784.2	4784.2	4784.2
17.5	4768.1	4768.1	4768.1	4768.1	4768.1	4768.1	4768.1	4768.1	4768.1	4768.1
20.0	4725.3	4725.3	4725.3	4725.3	4725.3	4725.3	4725.3	4725.3	4725.3	4725.3
22.5	4660.1	4660.1	4660.1	4660.1	4660.1	4660.1	4660.1	4660.1	4660.1	4660.1
25.0	4577.0	4577.0	4577.0	4577.0	4577.0	4577.0	4577.0	4577.0	4577.0	4577.0
27.5	4445.5	4445.5	4445.5	4445.5	4445.5	4445.5	4445.5	4445.5	4445.5	4445.5
30.0	4228.0	4228.0	4228.0	4228.0	4228.0	4228.0	4228.0	4228.0	4228.0	4228.0
32.5	3932.0	3932.0	3932.0	3932.0	3932.0	3932.0	3932.0	3932.0	3932.0	3932.0
35.0	3539.8	3539.8	3539.8	3539.8	3539.8	3539.8	3539.8	3539.8	3539.8	3539.8
37.5	3101.6	3101.6	3101.6	3101.6	3101.6	3101.6	3101.6	3101.6	3101.6	3101.6
40.0	2684.5	2684.5	2684.5	2684.5	2684.5	2684.5	2684.5	2684.5	2684.5	2684.5
42.5	2341.2	2341.2	2341.2	2341.2	2341.2	2341.2	2341.2	2341.2	2341.2	2341.2
45.0	2046.4	2046.4	2046.4	2046.4	2046.4	2046.4	2046.4	2046.4	2046.4	2046.4
47.5	1760.4	1760.4	1760.4	1760.4	1760.4	1760.4	1760.4	1760.4	1760.4	1760.4
50.0	1424.5	1424.5	1424.5	1424.5	1424.5	1424.5	1424.5	1424.5	1424.5	1424.5
52.5	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6
55.0	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1
57.5	710.8	710.8	710.8	710.8	710.8	710.8	710.8	710.8	710.8	710.8
60.0	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9
62.5	620.2	620.2	620.2	620.2	620.2	620.2	620.2	620.2	620.2	620.2
65.0	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3
67.5	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9
70.0	474.1	474.1	474.1	474.1	474.1	474.1	474.1	474.1	474.1	474.1
72.5	429.7	429.7	429.7	429.7	429.7	429.7	429.7	429.7	429.7	429.7
75.0	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8
77.5	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4
80.0	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1
82.5	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0
85.0	248.9	248.9	248.9	248.9	248.9	248.9	248.9	248.9	248.9	248.9
87.5	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2
90.0	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9
92.5	205.6	205.6	205.6	205.6	205.6	205.6	205.6	205.6	205.6	205.6
95.0	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9
97.5	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8
100.0	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1
102.5	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0
105.0	221.2	221.2	221.2	221.2	221.2	221.2	221.2	221.2	221.2	221.2
107.5	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9
110.0	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9
112.5	224.3	224.3	224.3	224.3	224.3	224.3	224.3	224.3	224.3	224.3
115.0	224.5	224.5	224.5	224.5	224.5	224.5	224.5	224.5	224.5	224.5
117.5	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2
120.0	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2
122.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5
125.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0
127.5	215.9	215.9	215.9	215.9	215.9	215.9	215.9	215.9	215.9	215.9
130.0	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4
132.5	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3

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CANDELA TABULATION - (Cont.)

135.0	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
137.5	197.8	197.8	197.8	197.8	197.8	197.8	197.8	197.8	197.8	197.8
140.0	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5
142.5	184.5	184.5	184.5	184.5	184.5	184.5	184.5	184.5	184.5	184.5
145.0	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9
147.5	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7
150.0	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9
152.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5
155.0	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4
157.5	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7
160.0	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1
162.5	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
165.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
167.5	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
170.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
172.5	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
175.0	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
177.5	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
180.0	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8

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	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9
2.5	4681.3	4681.3	4681.3	4681.3	4681.3	4681.3	4681.3
5.0	4703.5	4703.5	4703.5	4703.5	4703.5	4703.5	4703.5
7.5	4732.1	4732.1	4732.1	4732.1	4732.1	4732.1	4732.1
10.0	4762.7	4762.7	4762.7	4762.7	4762.7	4762.7	4762.7
12.5	4780.9	4780.9	4780.9	4780.9	4780.9	4780.9	4780.9
15.0	4784.2	4784.2	4784.2	4784.2	4784.2	4784.2	4784.2
17.5	4768.1	4768.1	4768.1	4768.1	4768.1	4768.1	4768.1
20.0	4725.3	4725.3	4725.3	4725.3	4725.3	4725.3	4725.3
22.5	4660.1	4660.1	4660.1	4660.1	4660.1	4660.1	4660.1
25.0	4577.0	4577.0	4577.0	4577.0	4577.0	4577.0	4577.0
27.5	4445.5	4445.5	4445.5	4445.5	4445.5	4445.5	4445.5
30.0	4228.0	4228.0	4228.0	4228.0	4228.0	4228.0	4228.0
32.5	3932.0	3932.0	3932.0	3932.0	3932.0	3932.0	3932.0
35.0	3539.8	3539.8	3539.8	3539.8	3539.8	3539.8	3539.8
37.5	3101.6	3101.6	3101.6	3101.6	3101.6	3101.6	3101.6
40.0	2684.5	2684.5	2684.5	2684.5	2684.5	2684.5	2684.5
42.5	2341.2	2341.2	2341.2	2341.2	2341.2	2341.2	2341.2
45.0	2046.4	2046.4	2046.4	2046.4	2046.4	2046.4	2046.4
47.5	1760.4	1760.4	1760.4	1760.4	1760.4	1760.4	1760.4
50.0	1424.5	1424.5	1424.5	1424.5	1424.5	1424.5	1424.5
52.5	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6
55.0	822.1	822.1	822.1	822.1	822.1	822.1	822.1
57.5	710.8	710.8	710.8	710.8	710.8	710.8	710.8
60.0	666.9	666.9	666.9	666.9	666.9	666.9	666.9
62.5	620.2	620.2	620.2	620.2	620.2	620.2	620.2
65.0	570.3	570.3	570.3	570.3	570.3	570.3	570.3
67.5	520.9	520.9	520.9	520.9	520.9	520.9	520.9
70.0	474.1	474.1	474.1	474.1	474.1	474.1	474.1
72.5	429.7	429.7	429.7	429.7	429.7	429.7	429.7
75.0	387.8	387.8	387.8	387.8	387.8	387.8	387.8
77.5	348.4	348.4	348.4	348.4	348.4	348.4	348.4
80.0	312.1	312.1	312.1	312.1	312.1	312.1	312.1

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CANDELA TABULATION - (Cont.)

82.5	279.0	279.0	279.0	279.0	279.0	279.0	279.0
85.0	248.9	248.9	248.9	248.9	248.9	248.9	248.9
87.5	224.2	224.2	224.2	224.2	224.2	224.2	224.2
90.0	208.9	208.9	208.9	208.9	208.9	208.9	208.9
92.5	205.6	205.6	205.6	205.6	205.6	205.6	205.6
95.0	208.9	208.9	208.9	208.9	208.9	208.9	208.9
97.5	212.8	212.8	212.8	212.8	212.8	212.8	212.8
100.0	216.1	216.1	216.1	216.1	216.1	216.1	216.1
102.5	219.0	219.0	219.0	219.0	219.0	219.0	219.0
105.0	221.2	221.2	221.2	221.2	221.2	221.2	221.2
107.5	222.9	222.9	222.9	222.9	222.9	222.9	222.9
110.0	223.9	223.9	223.9	223.9	223.9	223.9	223.9
112.5	224.3	224.3	224.3	224.3	224.3	224.3	224.3
115.0	224.5	224.5	224.5	224.5	224.5	224.5	224.5
117.5	224.2	224.2	224.2	224.2	224.2	224.2	224.2
120.0	223.2	223.2	223.2	223.2	223.2	223.2	223.2
122.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5
125.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0
127.5	215.9	215.9	215.9	215.9	215.9	215.9	215.9
130.0	212.4	212.4	212.4	212.4	212.4	212.4	212.4
132.5	208.3	208.3	208.3	208.3	208.3	208.3	208.3
135.0	203.4	203.4	203.4	203.4	203.4	203.4	203.4
137.5	197.8	197.8	197.8	197.8	197.8	197.8	197.8
140.0	191.5	191.5	191.5	191.5	191.5	191.5	191.5
142.5	184.5	184.5	184.5	184.5	184.5	184.5	184.5
145.0	176.9	176.9	176.9	176.9	176.9	176.9	176.9
147.5	168.7	168.7	168.7	168.7	168.7	168.7	168.7
150.0	159.9	159.9	159.9	159.9	159.9	159.9	159.9
152.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5
155.0	140.4	140.4	140.4	140.4	140.4	140.4	140.4
157.5	129.7	129.7	129.7	129.7	129.7	129.7	129.7
160.0	118.1	118.1	118.1	118.1	118.1	118.1	118.1
162.5	105.9	105.9	105.9	105.9	105.9	105.9	105.9
165.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
167.5	79.2	79.2	79.2	79.2	79.2	79.2	79.2
170.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
172.5	48.1	48.1	48.1	48.1	48.1	48.1	48.1
175.0	31.7	31.7	31.7	31.7	31.7	31.7	31.7
177.5	18.2	18.2	18.2	18.2	18.2	18.2	18.2
180.0	12.8	12.8	12.8	12.8	12.8	12.8	12.8

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1802.35	N.A.	16.40
0-30	3897.31	N.A.	35.50
0-40	6081.21	N.A.	55.40
0-60	8468.91	N.A.	77.20
0-80	9445.64	N.A.	86.10
0-90	9721.7	N.A.	88.60
10-90	9270.82	N.A.	84.50
20-40	4278.86	N.A.	39.00
20-50	5854.06	N.A.	53.40
40-70	2952.73	N.A.	26.90
60-80	976.72	N.A.	8.90
70-80	411.69	N.A.	3.80
80-90	276.06	N.A.	2.50
90-110	462.59	N.A.	4.20
90-120	685.07	N.A.	6.20
90-130	881.24	N.A.	8.00
90-150	1149.8	N.A.	10.50
90-180	1246.14	N.A.	11.40
110-180	783.55	N.A.	7.10
0-180	10967.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	450.88
10-20	1351.47
20-30	2094.96
30-40	2183.9
40-50	1575.2
50-60	812.50
60-70	565.03
70-80	411.69
80-90	276.06
90-100	229.05
100-110	233.53
110-120	222.49
120-130	196.17
130-140	157.33
140-150	111.23
150-160	65.32
160-170	26.95
170-180	4.07

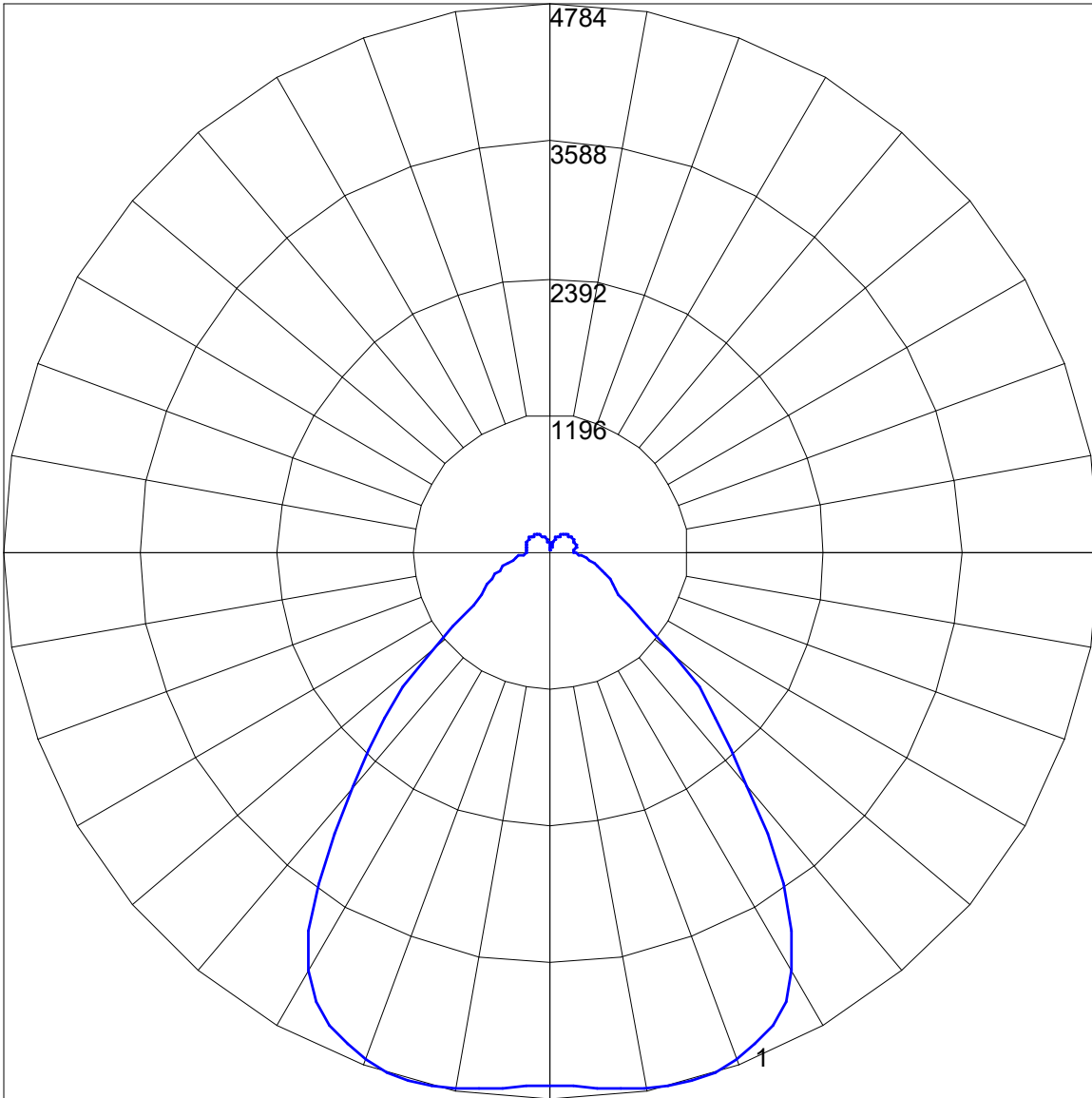
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	107	103	99	96	104	100	96	93	93	91	88	88	86	84	82	81	79	76
2	99	92	86	81	96	89	84	79	84	80	76	79	76	72	75	72	69	67
3	92	83	76	70	88	80	74	69	76	70	66	72	67	63	68	64	61	59
4	85	75	67	61	82	73	66	60	69	63	58	65	60	56	62	58	54	52
5	79	68	60	54	76	66	59	53	63	56	52	60	54	50	57	52	49	46
6	74	62	54	48	71	60	53	48	57	51	46	55	49	45	52	48	44	42
7	69	57	49	43	66	55	48	43	53	46	42	50	45	41	48	43	40	38
8	64	52	44	39	62	51	44	39	49	42	38	47	41	37	45	40	36	34
9	60	48	41	36	58	47	40	35	45	39	35	43	38	34	42	37	33	31
10	57	45	37	33	55	44	37	32	42	36	32	40	35	31	39	34	30	29

POLAR GRAPH



Maximum Candela = 4784.2 Located At Horizontal Angle = 0, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)