

Day-Brite



by Signify

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RBX15L835-ARR16SL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO35691.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 1/4/16
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] RBX15L835-UNV-WT-ARR16SL
[LUMINAIRE] RBX 16"
[MORE] FROSTED ACRYLIC OPEN HIGHBAY 4-DLS3 2015 3500K BOARDS 2-95W DRIVERS 1.37K RESISTORS
[LAMP] LED. LUMINAIRE OUTPUT = 17704 LUMENS
[TESTDATE] 1/4/16
[_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	17704
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	131.4
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	20530	20530	20530
55	8768	8768	8768
65	6652	6652	6652
75	5103	5103	5103
85	3898	3898	3898

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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	7481.9	7481.9	7481.9	7481.9	7481.9	7481.9	7481.9	7481.9	7481.9	7481.9
2.5	7496.7	7496.7	7496.7	7496.7	7496.7	7496.7	7496.7	7496.7	7496.7	7496.7
5.0	7552.0	7552.0	7552.0	7552.0	7552.0	7552.0	7552.0	7552.0	7552.0	7552.0
7.5	7634.1	7634.1	7634.1	7634.1	7634.1	7634.1	7634.1	7634.1	7634.1	7634.1
10.0	7708.3	7708.3	7708.3	7708.3	7708.3	7708.3	7708.3	7708.3	7708.3	7708.3
12.5	7755.3	7755.3	7755.3	7755.3	7755.3	7755.3	7755.3	7755.3	7755.3	7755.3
15.0	7759.6	7759.6	7759.6	7759.6	7759.6	7759.6	7759.6	7759.6	7759.6	7759.6
17.5	7714.9	7714.9	7714.9	7714.9	7714.9	7714.9	7714.9	7714.9	7714.9	7714.9
20.0	7637.4	7637.4	7637.4	7637.4	7637.4	7637.4	7637.4	7637.4	7637.4	7637.4
22.5	7517.0	7517.0	7517.0	7517.0	7517.0	7517.0	7517.0	7517.0	7517.0	7517.0
25.0	7373.2	7373.2	7373.2	7373.2	7373.2	7373.2	7373.2	7373.2	7373.2	7373.2
27.5	7172.1	7172.1	7172.1	7172.1	7172.1	7172.1	7172.1	7172.1	7172.1	7172.1
30.0	6836.1	6836.1	6836.1	6836.1	6836.1	6836.1	6836.1	6836.1	6836.1	6836.1
32.5	6373.2	6373.2	6373.2	6373.2	6373.2	6373.2	6373.2	6373.2	6373.2	6373.2
35.0	5773.7	5773.7	5773.7	5773.7	5773.7	5773.7	5773.7	5773.7	5773.7	5773.7
37.5	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7
40.0	4363.7	4363.7	4363.7	4363.7	4363.7	4363.7	4363.7	4363.7	4363.7	4363.7
42.5	3767.5	3767.5	3767.5	3767.5	3767.5	3767.5	3767.5	3767.5	3767.5	3767.5
45.0	3222.0	3222.0	3222.0	3222.0	3222.0	3222.0	3222.0	3222.0	3222.0	3222.0
47.5	2726.8	2726.8	2726.8	2726.8	2726.8	2726.8	2726.8	2726.8	2726.8	2726.8
50.0	2238.4	2238.4	2238.4	2238.4	2238.4	2238.4	2238.4	2238.4	2238.4	2238.4
52.5	1717.7	1717.7	1717.7	1717.7	1717.7	1717.7	1717.7	1717.7	1717.7	1717.7
55.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0
57.5	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7
60.0	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
62.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5
65.0	922.4	922.4	922.4	922.4	922.4	922.4	922.4	922.4	922.4	922.4
67.5	841.9	841.9	841.9	841.9	841.9	841.9	841.9	841.9	841.9	841.9
70.0	766.0	766.0	766.0	766.0	766.0	766.0	766.0	766.0	766.0	766.0
72.5	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1
75.0	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9
77.5	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4
80.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0
82.5	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7
85.0	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1
87.5	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0
90.0	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2
92.5	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3
95.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0
97.5	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0
100.0	353.3	353.3	353.3	353.3	353.3	353.3	353.3	353.3	353.3	353.3
102.5	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6
105.0	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2
107.5	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7
110.0	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
112.5	365.8	365.8	365.8	365.8	365.8	365.8	365.8	365.8	365.8	365.8
115.0	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7
117.5	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0
120.0	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2
122.5	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3
125.0	356.2	356.2	356.2	356.2	356.2	356.2	356.2	356.2	356.2	356.2
127.5	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2
130.0	345.4	345.4	345.4	345.4	345.4	345.4	345.4	345.4	345.4	345.4
132.5	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9

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CANDELA TABULATION - (Cont.)

135.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0
137.5	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9
140.0	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7
142.5	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4
145.0	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2
147.5	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0
150.0	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
152.5	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0
155.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0
157.5	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8
160.0	194.2	194.2	194.2	194.2	194.2	194.2	194.2	194.2	194.2	194.2
162.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5
165.0	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6
167.5	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4
170.0	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7
172.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
175.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
177.5	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
180.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2

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	7481.9	7481.9	7481.9	7481.9	7481.9	7481.9	7481.9
2.5	7496.7	7496.7	7496.7	7496.7	7496.7	7496.7	7496.7
5.0	7552.0	7552.0	7552.0	7552.0	7552.0	7552.0	7552.0
7.5	7634.1	7634.1	7634.1	7634.1	7634.1	7634.1	7634.1
10.0	7708.3	7708.3	7708.3	7708.3	7708.3	7708.3	7708.3
12.5	7755.3	7755.3	7755.3	7755.3	7755.3	7755.3	7755.3
15.0	7759.6	7759.6	7759.6	7759.6	7759.6	7759.6	7759.6
17.5	7714.9	7714.9	7714.9	7714.9	7714.9	7714.9	7714.9
20.0	7637.4	7637.4	7637.4	7637.4	7637.4	7637.4	7637.4
22.5	7517.0	7517.0	7517.0	7517.0	7517.0	7517.0	7517.0
25.0	7373.2	7373.2	7373.2	7373.2	7373.2	7373.2	7373.2
27.5	7172.1	7172.1	7172.1	7172.1	7172.1	7172.1	7172.1
30.0	6836.1	6836.1	6836.1	6836.1	6836.1	6836.1	6836.1
32.5	6373.2	6373.2	6373.2	6373.2	6373.2	6373.2	6373.2
35.0	5773.7	5773.7	5773.7	5773.7	5773.7	5773.7	5773.7
37.5	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7
40.0	4363.7	4363.7	4363.7	4363.7	4363.7	4363.7	4363.7
42.5	3767.5	3767.5	3767.5	3767.5	3767.5	3767.5	3767.5
45.0	3222.0	3222.0	3222.0	3222.0	3222.0	3222.0	3222.0
47.5	2726.8	2726.8	2726.8	2726.8	2726.8	2726.8	2726.8
50.0	2238.4	2238.4	2238.4	2238.4	2238.4	2238.4	2238.4
52.5	1717.7	1717.7	1717.7	1717.7	1717.7	1717.7	1717.7
55.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0
57.5	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7
60.0	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
62.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5	1004.5
65.0	922.4	922.4	922.4	922.4	922.4	922.4	922.4
67.5	841.9	841.9	841.9	841.9	841.9	841.9	841.9
70.0	766.0	766.0	766.0	766.0	766.0	766.0	766.0
72.5	695.1	695.1	695.1	695.1	695.1	695.1	695.1
75.0	627.9	627.9	627.9	627.9	627.9	627.9	627.9
77.5	564.4	564.4	564.4	564.4	564.4	564.4	564.4
80.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0

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CANDELA TABULATION - (Cont.)

82.5	452.7	452.7	452.7	452.7	452.7	452.7	452.7
85.0	404.1	404.1	404.1	404.1	404.1	404.1	404.1
87.5	361.0	361.0	361.0	361.0	361.0	361.0	361.0
90.0	334.2	334.2	334.2	334.2	334.2	334.2	334.2
92.5	335.3	335.3	335.3	335.3	335.3	335.3	335.3
95.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0
97.5	348.0	348.0	348.0	348.0	348.0	348.0	348.0
100.0	353.3	353.3	353.3	353.3	353.3	353.3	353.3
102.5	357.6	357.6	357.6	357.6	357.6	357.6	357.6
105.0	361.2	361.2	361.2	361.2	361.2	361.2	361.2
107.5	363.7	363.7	363.7	363.7	363.7	363.7	363.7
110.0	365.2	365.2	365.2	365.2	365.2	365.2	365.2
112.5	365.8	365.8	365.8	365.8	365.8	365.8	365.8
115.0	365.7	365.7	365.7	365.7	365.7	365.7	365.7
117.5	365.0	365.0	365.0	365.0	365.0	365.0	365.0
120.0	363.2	363.2	363.2	363.2	363.2	363.2	363.2
122.5	360.3	360.3	360.3	360.3	360.3	360.3	360.3
125.0	356.2	356.2	356.2	356.2	356.2	356.2	356.2
127.5	351.2	351.2	351.2	351.2	351.2	351.2	351.2
130.0	345.4	345.4	345.4	345.4	345.4	345.4	345.4
132.5	338.9	338.9	338.9	338.9	338.9	338.9	338.9
135.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0
137.5	321.9	321.9	321.9	321.9	321.9	321.9	321.9
140.0	311.7	311.7	311.7	311.7	311.7	311.7	311.7
142.5	300.4	300.4	300.4	300.4	300.4	300.4	300.4
145.0	288.2	288.2	288.2	288.2	288.2	288.2	288.2
147.5	275.0	275.0	275.0	275.0	275.0	275.0	275.0
150.0	261.1	261.1	261.1	261.1	261.1	261.1	261.1
152.5	246.0	246.0	246.0	246.0	246.0	246.0	246.0
155.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0
157.5	212.8	212.8	212.8	212.8	212.8	212.8	212.8
160.0	194.2	194.2	194.2	194.2	194.2	194.2	194.2
162.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5
165.0	153.6	153.6	153.6	153.6	153.6	153.6	153.6
167.5	131.4	131.4	131.4	131.4	131.4	131.4	131.4
170.0	107.7	107.7	107.7	107.7	107.7	107.7	107.7
172.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7
175.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6
177.5	31.8	31.8	31.8	31.8	31.8	31.8	31.8
180.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2915.1	N.A.	16.50
0-30	6295.24	N.A.	35.60
0-40	9846.00	N.A.	55.60
0-60	13644.62	N.A.	77.10
0-80	15225.21	N.A.	86.00
0-90	15671.73	N.A.	88.50
10-90	14945.53	N.A.	84.40
20-40	6930.9	N.A.	39.10
20-50	9428.93	N.A.	53.30
40-70	4712.83	N.A.	26.60
60-80	1580.58	N.A.	8.90
70-80	666.37	N.A.	3.80
80-90	446.53	N.A.	2.50
90-110	754.67	N.A.	4.30
90-120	1117.16	N.A.	6.30
90-130	1436.25	N.A.	8.10
90-150	1873.47	N.A.	10.60
90-180	2031.85	N.A.	11.50
110-180	1277.18	N.A.	7.20
0-180	17703.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	726.21
10-20	2188.89
20-30	3380.14
30-40	3550.76
40-50	2498.02
50-60	1300.6
60-70	914.21
70-80	666.37
80-90	446.53
90-100	373.40
100-110	381.27
110-120	362.49
120-130	319.10
130-140	255.99
140-150	181.23
150-160	106.95
160-170	44.51
170-180	6.92

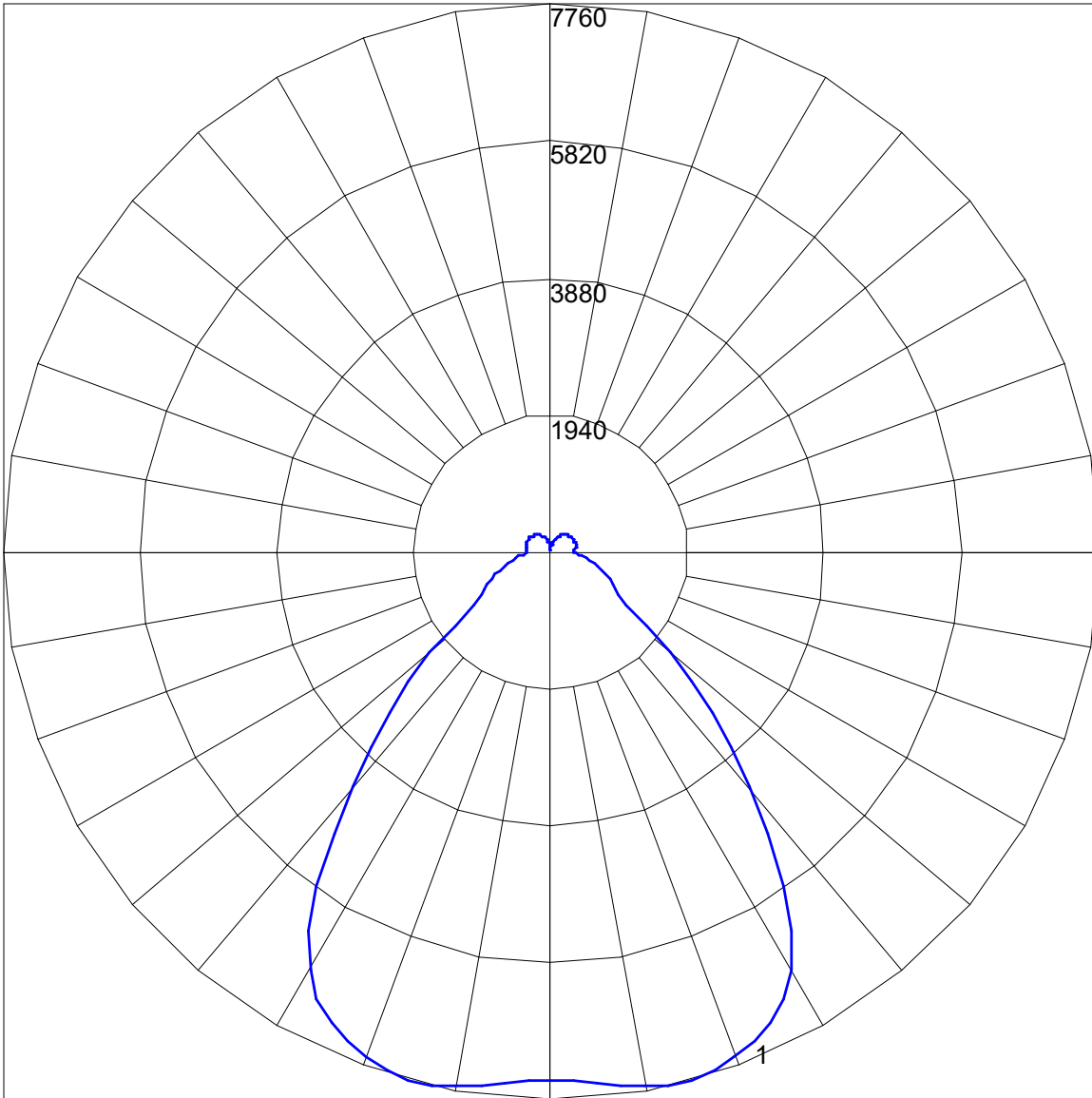
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	91	91	91	89
1	107	103	99	96	103	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	75	72	74	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	47	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 = 7759.6 Located At Horizontal Angle = 0, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)