

Day-Brite



by Signify

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RBX15L835-ARR16S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO35698.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 1/5/16
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] RBX15L835-UNV-WT-ARR16S
[LUMINAIRE] RBX 16"
[MORE] CLEAR ACRYLIC OPEN HIGHBAY 4-DLS3 2015 3500K BOARDS 2-95W DRIVERS 1.37K RESISTORS
[LAMP] LED. LUMINAIRE OUTPUT = 17920 LUMENS
[TESTDATE] 1/5/16
[_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	17920
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	131.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.26
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	22923	22923	22923
55	17350	17350	17350
65	12167	12167	12167
75	4639	4639	4639
85	1099	1099	1099

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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	6848.7	6848.7	6848.7	6848.7	6848.7	6848.7	6848.7	6848.7	6848.7	6848.7
2.5	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8
5.0	7058.0	7058.0	7058.0	7058.0	7058.0	7058.0	7058.0	7058.0	7058.0	7058.0
7.5	7325.2	7325.2	7325.2	7325.2	7325.2	7325.2	7325.2	7325.2	7325.2	7325.2
10.0	7604.7	7604.7	7604.7	7604.7	7604.7	7604.7	7604.7	7604.7	7604.7	7604.7
12.5	7896.6	7896.6	7896.6	7896.6	7896.6	7896.6	7896.6	7896.6	7896.6	7896.6
15.0	8069.3	8069.3	8069.3	8069.3	8069.3	8069.3	8069.3	8069.3	8069.3	8069.3
17.5	8145.3	8145.3	8145.3	8145.3	8145.3	8145.3	8145.3	8145.3	8145.3	8145.3
20.0	8019.4	8019.4	8019.4	8019.4	8019.4	8019.4	8019.4	8019.4	8019.4	8019.4
22.5	7690.5	7690.5	7690.5	7690.5	7690.5	7690.5	7690.5	7690.5	7690.5	7690.5
25.0	7326.5	7326.5	7326.5	7326.5	7326.5	7326.5	7326.5	7326.5	7326.5	7326.5
27.5	6973.4	6973.4	6973.4	6973.4	6973.4	6973.4	6973.4	6973.4	6973.4	6973.4
30.0	6625.7	6625.7	6625.7	6625.7	6625.7	6625.7	6625.7	6625.7	6625.7	6625.7
32.5	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3
35.0	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9
37.5	5112.6	5112.6	5112.6	5112.6	5112.6	5112.6	5112.6	5112.6	5112.6	5112.6
40.0	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8
42.5	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6
45.0	3597.5	3597.5	3597.5	3597.5	3597.5	3597.5	3597.5	3597.5	3597.5	3597.5
47.5	3347.5	3347.5	3347.5	3347.5	3347.5	3347.5	3347.5	3347.5	3347.5	3347.5
50.0	3119.9	3119.9	3119.9	3119.9	3119.9	3119.9	3119.9	3119.9	3119.9	3119.9
52.5	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3
55.0	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9
57.5	2383.1	2383.1	2383.1	2383.1	2383.1	2383.1	2383.1	2383.1	2383.1	2383.1
60.0	2159.4	2159.4	2159.4	2159.4	2159.4	2159.4	2159.4	2159.4	2159.4	2159.4
62.5	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2
65.0	1687.2	1687.2	1687.2	1687.2	1687.2	1687.2	1687.2	1687.2	1687.2	1687.2
67.5	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6
70.0	1194.9	1194.9	1194.9	1194.9	1194.9	1194.9	1194.9	1194.9	1194.9	1194.9
72.5	881.0	881.0	881.0	881.0	881.0	881.0	881.0	881.0	881.0	881.0
75.0	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
77.5	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2
80.0	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7
82.5	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3
85.0	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9
87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
90.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
92.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
95.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
97.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
100.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
102.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
105.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
107.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
110.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
112.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
115.0	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
117.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
120.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
122.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
125.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
127.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
130.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
132.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0

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CANDELA TABULATION - (Cont.)

135.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
137.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
140.0	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
142.5	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
145.0	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
147.5	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
150.0	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
152.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
155.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
157.5	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
160.0	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
162.5	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
165.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
167.5	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
170.0	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
172.5	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
175.0	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
177.5	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
180.0	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7

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	6848.7	6848.7	6848.7	6848.7	6848.7	6848.7	6848.7
2.5	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8
5.0	7058.0	7058.0	7058.0	7058.0	7058.0	7058.0	7058.0
7.5	7325.2	7325.2	7325.2	7325.2	7325.2	7325.2	7325.2
10.0	7604.7	7604.7	7604.7	7604.7	7604.7	7604.7	7604.7
12.5	7896.6	7896.6	7896.6	7896.6	7896.6	7896.6	7896.6
15.0	8069.3	8069.3	8069.3	8069.3	8069.3	8069.3	8069.3
17.5	8145.3	8145.3	8145.3	8145.3	8145.3	8145.3	8145.3
20.0	8019.4	8019.4	8019.4	8019.4	8019.4	8019.4	8019.4
22.5	7690.5	7690.5	7690.5	7690.5	7690.5	7690.5	7690.5
25.0	7326.5	7326.5	7326.5	7326.5	7326.5	7326.5	7326.5
27.5	6973.4	6973.4	6973.4	6973.4	6973.4	6973.4	6973.4
30.0	6625.7	6625.7	6625.7	6625.7	6625.7	6625.7	6625.7
32.5	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3
35.0	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9
37.5	5112.6	5112.6	5112.6	5112.6	5112.6	5112.6	5112.6
40.0	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8
42.5	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6
45.0	3597.5	3597.5	3597.5	3597.5	3597.5	3597.5	3597.5
47.5	3347.5	3347.5	3347.5	3347.5	3347.5	3347.5	3347.5
50.0	3119.9	3119.9	3119.9	3119.9	3119.9	3119.9	3119.9
52.5	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3
55.0	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9
57.5	2383.1	2383.1	2383.1	2383.1	2383.1	2383.1	2383.1
60.0	2159.4	2159.4	2159.4	2159.4	2159.4	2159.4	2159.4
62.5	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2
65.0	1687.2	1687.2	1687.2	1687.2	1687.2	1687.2	1687.2
67.5	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6
70.0	1194.9	1194.9	1194.9	1194.9	1194.9	1194.9	1194.9
72.5	881.0	881.0	881.0	881.0	881.0	881.0	881.0
75.0	570.7	570.7	570.7	570.7	570.7	570.7	570.7
77.5	363.2	363.2	363.2	363.2	363.2	363.2	363.2
80.0	243.7	243.7	243.7	243.7	243.7	243.7	243.7

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CANDELA TABULATION - (Cont.)

82.5	164.3	164.3	164.3	164.3	164.3	164.3	164.3
85.0	113.9	113.9	113.9	113.9	113.9	113.9	113.9
87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
90.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7
92.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8
95.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9
97.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4
100.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
102.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
105.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
107.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2
110.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
112.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8
115.0	66.9	66.9	66.9	66.9	66.9	66.9	66.9
117.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0
120.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
122.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4
125.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3
127.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0
130.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5
132.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0
135.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
137.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7
140.0	51.4	51.4	51.4	51.4	51.4	51.4	51.4
142.5	50.1	50.1	50.1	50.1	50.1	50.1	50.1
145.0	48.9	48.9	48.9	48.9	48.9	48.9	48.9
147.5	46.0	46.0	46.0	46.0	46.0	46.0	46.0
150.0	41.9	41.9	41.9	41.9	41.9	41.9	41.9
152.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6
155.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8
157.5	30.9	30.9	30.9	30.9	30.9	30.9	30.9
160.0	28.6	28.6	28.6	28.6	28.6	28.6	28.6
162.5	26.7	26.7	26.7	26.7	26.7	26.7	26.7
165.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
167.5	23.4	23.4	23.4	23.4	23.4	23.4	23.4
170.0	21.9	21.9	21.9	21.9	21.9	21.9	21.9
172.5	20.1	20.1	20.1	20.1	20.1	20.1	20.1
175.0	17.4	17.4	17.4	17.4	17.4	17.4	17.4
177.5	13.7	13.7	13.7	13.7	13.7	13.7	13.7
180.0	11.7	11.7	11.7	11.7	11.7	11.7	11.7

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2960.73	N.A.	16.50
0-30	6333.62	N.A.	35.30
0-40	9879.81	N.A.	55.10
0-60	15044.61	N.A.	84.00
0-80	17378.64	N.A.	97.00
0-90	17521.34	N.A.	97.80
10-90	16829.39	N.A.	93.90
20-40	6919.08	N.A.	38.60
20-50	9739.99	N.A.	54.40
40-70	6832.43	N.A.	38.10
60-80	2334.02	N.A.	13.00
70-80	666.39	N.A.	3.70
80-90	142.70	N.A.	0.80
90-110	176.21	N.A.	1.00
90-120	247.95	N.A.	1.40
90-130	299.42	N.A.	1.70
90-150	373.21	N.A.	2.10
90-180	398.31	N.A.	2.20
110-180	222.09	N.A.	1.20
0-180	17919.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	691.95
10-20	2268.77
20-30	3372.89
30-40	3546.19
40-50	2820.9
50-60	2343.9
60-70	1667.63
70-80	666.39
80-90	142.70
90-100	80.46
100-110	95.75
110-120	71.74
120-130	51.47
130-140	43.58
140-150	30.21
150-160	16.10
160-170	7.21
170-180	1.79

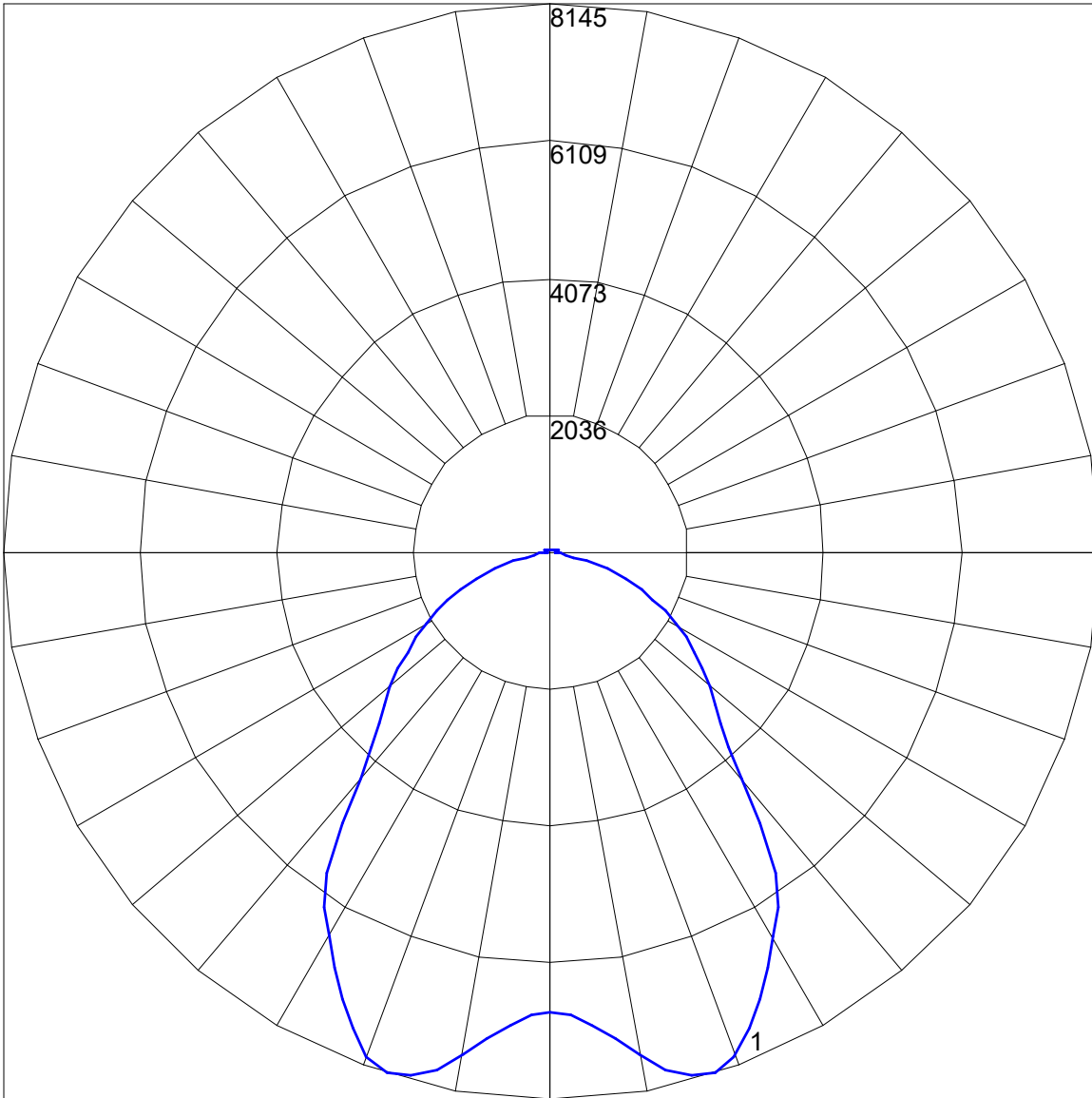
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0		
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	119	119	119	119	119	116	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	110	106	102	99	99	107	103	100	97	97	99	96	93	94	92	90	90	89	87	85
2	101	94	88	82	82	98	92	86	81	81	88	83	79	84	80	77	81	78	75	73
3	93	83	76	70	70	90	82	75	69	69	78	73	68	76	71	67	73	69	65	63
4	86	75	67	61	61	83	73	66	60	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	53	77	66	59	53	53	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	47	72	60	52	47	47	58	51	46	56	50	46	55	49	45	43
7	69	56	48	42	42	67	55	47	42	42	53	46	41	52	46	41	50	45	41	39
8	64	51	43	38	38	62	51	43	38	38	49	42	37	48	42	37	46	41	37	35
9	60	47	40	34	34	59	47	39	34	34	45	39	34	44	38	34	43	38	33	32
10	56	44	36	31	31	55	43	36	31	31	42	36	31	41	35	31	40	35	31	29

POLAR GRAPH



Maximum Candela = 8145.3 Located At Horizontal Angle = 0, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)