

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P829412

Luminaire Tested: **OHB-30SE-N-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-30SE-N-UNV-L835-CD
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

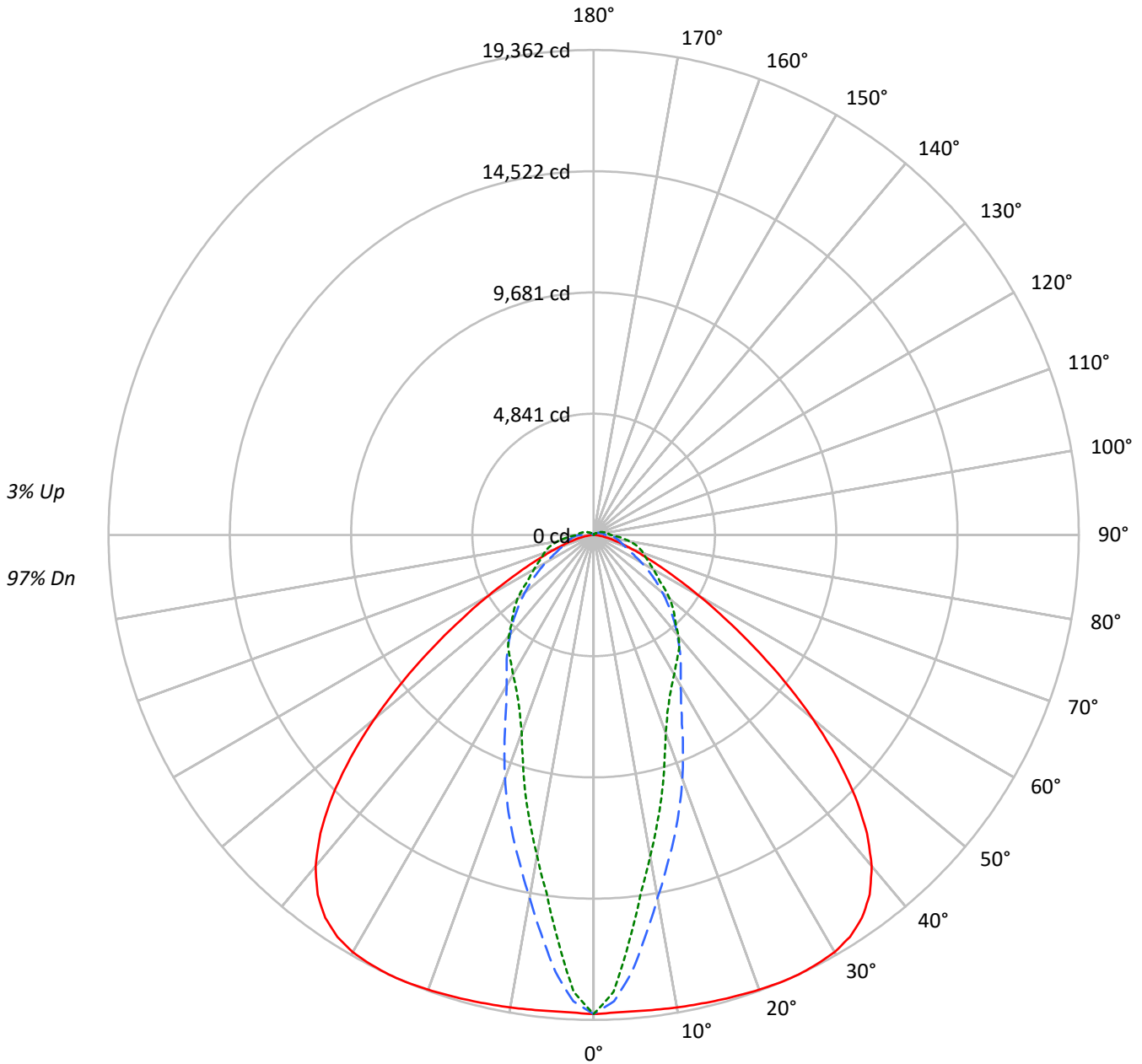
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28230.0 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 181
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P829412
CATALOG NUMBER: OHB-30SE-N-UNV-L835-CD

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	50	30	10	0					
RCR																										
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97					
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82					
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71					
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62					
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54					
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48					
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43					
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39					
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35					
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32					
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30					

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63895	63895	63895
5°	63532	58037	54100
10°	64013	48762	43380
15°	65018	41595	35605
20°	66586	35077	28798
25°	68608	28953	25233
30°	70669	24870	23441
35°	71796	22593	22333
40°	70194	20337	21188
45°	64187	18307	19616
50°	53774	16101	18411
55°	40516	14028	16383
60°	28096	11954	15684
65°	18641	10211	15355
70°	12492	9479	16109
75°	8426	9625	17212
80°	5527	10405	17720
85°	2917	12449	18590



TEST NUMBER: P829412

CATALOG NUMBER: OHB-30SE-N-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1610.1	5.7
10°-20°	3787.7	13.4
20°-30°	4747.9	16.8
30°-40°	5038.0	17.8
40°-50°	4555.2	16.1
50°-60°	3302.8	11.7
60°-70°	2072.7	7.3
70°-80°	1371.6	4.9
80°-90°	790.2	2.8
90°-100°	382.8	1.4
100°-110°	264.2	0.9
110°-120°	163.0	0.6
120°-130°	79.0	0.3
130°-140°	36.3	0.1
140°-150°	19.8	0.1
150°-160°	8.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	10145.7	35.9
0°-40°	15183.7	53.8
0°-60°	23041.6	81.6
0°-90°	27276.1	96.6
90°-120°	810.1	2.9
90°-150°	945.2	3.3
90°-180°	954.0	3.4
0°-180°	28230.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19127	19127	19127	19127	19127	
5°	19089	18599	17507	16695	16275	###
15°	19235	15678	12452	11074	10571	5455
25°	19362	12122	8338	7400	7165	8945
35°	18669	8059	6051	5862	5860	11605
45°	14758	5104	4385	4491	4568	11243
55°	7813	3164	2862	3104	3215	7060
65°	2794	1835	1657	2123	2359	2908
75°	863	988	1112	1728	1831	962
85°	151	410	814	1132	1040	181
90°	0	171	472	664	670	10
95°	7	120	415	564	590	6
105°	15	80	302	400	411	15
115°	20	56	204	255	260	20
125°	22	29	104	131	129	19
135°	18	22	46	71	71	14
145°	22	24	27	42	40	13
155°	22	27	29	31	27	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829412

CATALOG NUMBER: OHB-30SE-N-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19127.3	19127.3	19127.3	19127.3	19127.3
2.5°	19087.3	18978.1	18637.6	18430.1	18255.3
5°	19089.1	18599.4	17507.1	16695.2	16274.7
7.5°	19116.4	18027.8	16059.9	14874.8	14412.4
10°	19158.3	17319.6	14709.1	13445.7	13014.3
12.5°	19189.2	16522.3	13520.4	12222.4	11749.1
15°	19234.7	15677.6	12451.8	11073.7	10571.3
17.5°	19276.6	14882.1	11395.9	9956.0	9397.1
20°	19318.5	14024.6	10340.1	8856.4	8395.9
22.5°	19358.5	13119.9	9309.7	8002.6	7687.7
25°	19362.2	12122.3	8337.6	7400.1	7165.2
27.5°	19314.8	11088.3	7549.4	6895.8	6750.2
30°	19232.9	10085.2	6937.7	6531.7	6428.0
32.5°	19029.0	9062.1	6464.4	6180.4	6120.3
35°	18668.6	8059.1	6051.1	5861.8	5860.0
37.5°	18100.6	7168.9	5603.3	5570.5	5610.6
40°	17261.4	6389.7	5179.1	5266.5	5266.5
42.5°	16141.8	5712.5	4795.0	4884.2	4860.6
45°	14758.3	5104.5	4385.4	4491.0	4567.5
47.5°	13154.5	4569.3	3966.7	4170.6	4276.2
50°	11410.5	4059.6	3584.4	3844.8	3964.9
52.5°	9582.8	3588.1	3211.3	3509.8	3606.3
55°	7813.3	3163.9	2861.7	3103.8	3214.9
57.5°	6211.3	2759.8	2519.5	2748.9	2978.2
60°	4833.3	2412.1	2197.3	2524.9	2754.3
62.5°	3691.8	2102.6	1895.1	2315.6	2545.0
65°	2794.4	1835.0	1656.6	2122.6	2359.3
67.5°	2106.2	1603.8	1470.9	1982.5	2213.7
70°	1582.0	1379.9	1321.6	1895.1	2102.6
72.5°	1168.7	1174.2	1203.3	1818.6	1977.0
75°	862.9	988.5	1112.3	1727.6	1831.4
77.5°	617.1	819.2	1030.4	1618.4	1654.8
80°	427.8	668.1	944.8	1474.6	1443.6
82.5°	267.6	535.2	868.3	1316.2	1230.6
85°	151.1	409.6	813.7	1132.3	1039.5
87.5°	67.4	305.8	711.8	882.9	824.7
90°	0.0	171.1	471.5	664.5	669.9
92.5°	3.6	142.0	435.1	608.0	626.2
95°	7.3	120.1	415.1	564.3	589.8
97.5°	9.1	105.6	389.6	524.3	546.1
100°	10.9	94.7	358.6	482.4	500.6
102.5°	12.7	87.4	329.5	438.7	453.3
105°	14.6	80.1	302.2	400.5	411.4



TEST NUMBER: P829412

CATALOG NUMBER: OHB-30SE-N-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.2	61.9	227.6	287.6	296.7
115°	20.0	56.4	203.9	254.9	260.3
117.5°	21.8	49.2	178.4	223.9	225.7
120°	21.8	43.7	152.9	191.1	191.1
122.5°	21.8	36.4	127.4	158.4	156.6
125°	21.8	29.1	103.8	131.1	129.3
127.5°	20.0	23.7	83.7	109.2	107.4
130°	20.0	23.7	67.4	92.8	92.8
132.5°	18.2	21.8	54.6	80.1	80.1
135°	18.2	21.8	45.5	71.0	71.0
137.5°	18.2	23.7	38.2	61.9	61.9
140°	18.2	21.8	32.8	54.6	54.6
142.5°	20.0	21.8	29.1	47.3	47.3
145°	21.8	23.7	27.3	41.9	40.0
147.5°	21.8	25.5	27.3	36.4	34.6
150°	21.8	27.3	27.3	32.8	30.9
152.5°	21.8	27.3	27.3	30.9	29.1
155°	21.8	27.3	29.1	30.9	27.3
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	14.6	74.6	276.7	358.6	371.4
110°	16.4	67.4	253.0	320.4	333.1



(END OF REPORT)