

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: CORELITE

Report Number: P385298

Luminaire Tested: **22ID-35-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-35-L830-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

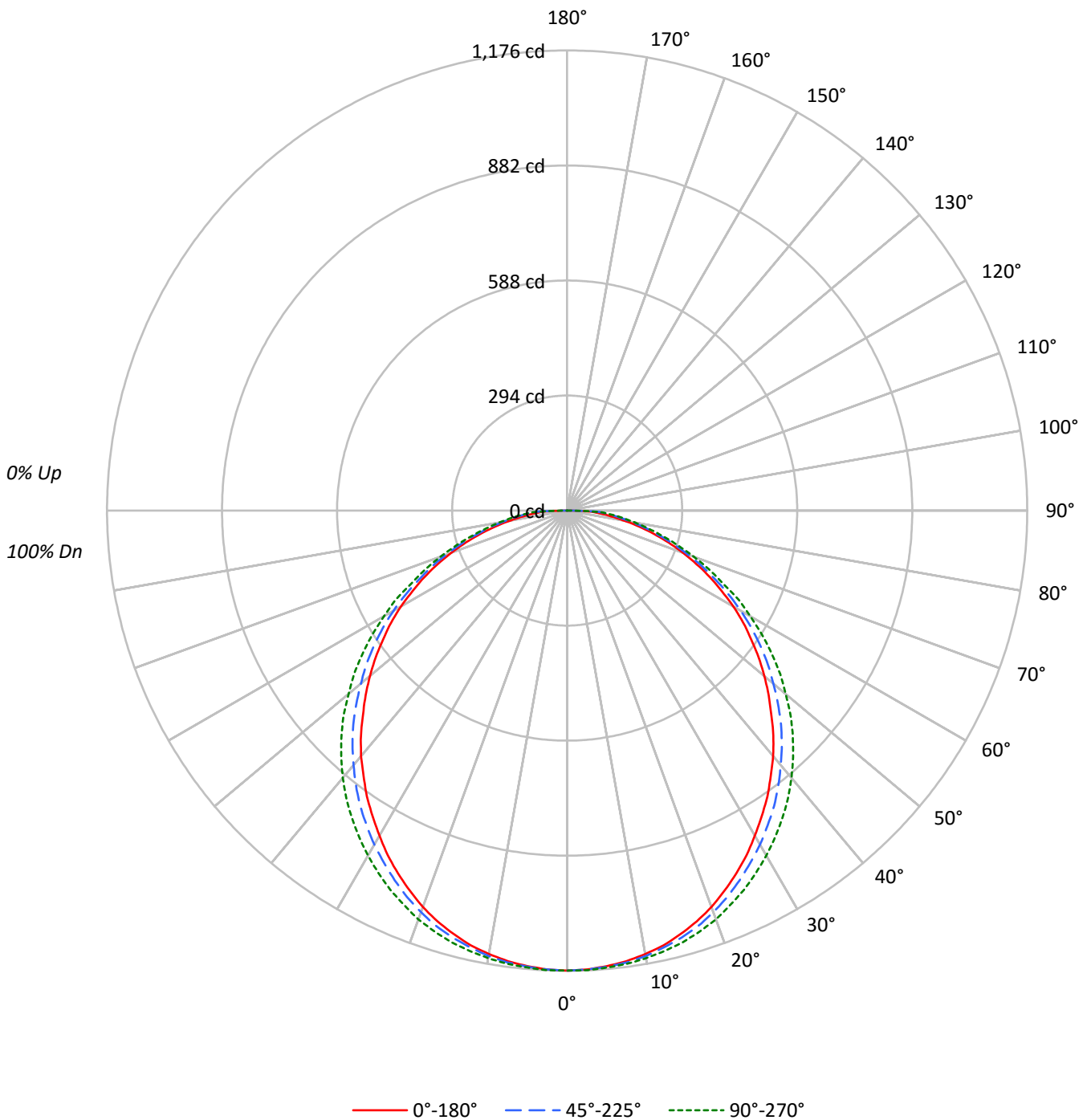
Lumens per Lamp: N/A
Luminaire Lumens: 3409.6 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 28.8
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



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3164	3164	3164
5°	3134	3129	3143
10°	3099	3095	3128
15°	3054	3050	3112
20°	2996	2999	3090
25°	2924	2934	3056
30°	2844	2868	3017
35°	2768	2798	2977
40°	2690	2715	2928
45°	2591	2632	2865
50°	2505	2526	2775
55°	2409	2421	2676
60°	2310	2290	2543
65°	2174	2127	2366
70°	2009	1949	2202
75°	1814	1754	2011
80°	1549	1548	1847
85°	1317	1400	1766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	3.3
10°-20°	318.8	9.3
20°-30°	481.0	14.1
30°-40°	577.4	16.9
40°-50°	597.5	17.5
50°-60°	541.3	15.9
60°-70°	417.1	12.2
70°-80°	258.1	7.6
80°-90°	107.2	3.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	911.0	26.7
0°-40°	1488.4	43.7
0°-60°	2627.3	77.1
0°-90°	3409.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3409.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1176	1176	1176	1176	1176	
5°	1168	1168	1170	1170	1172	111
15°	1121	1122	1130	1137	1142	316
25°	1023	1027	1043	1060	1069	471
35°	892	899	922	947	959	558
45°	738	748	773	801	816	570
55°	574	583	603	629	638	514
65°	402	406	418	436	438	398
75°	229	234	243	254	254	242
85°	83	92	106	114	112	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1175.6	1175.6	1175.6	1175.6	1175.6
2.5°	1173.8	1173.8	1173.8	1173.8	1175.6
5°	1168.5	1168.5	1170.2	1170.2	1172.0
7.5°	1161.4	1161.4	1164.9	1164.9	1168.5
10°	1150.7	1152.5	1156.1	1157.8	1161.4
12.5°	1138.3	1138.3	1143.6	1149.0	1152.5
15°	1120.6	1122.4	1129.5	1136.6	1141.9
17.5°	1101.1	1102.9	1113.5	1120.6	1127.7
20°	1078.0	1079.8	1092.2	1102.9	1111.7
22.5°	1051.4	1055.0	1069.2	1083.4	1090.5
25°	1023.1	1026.6	1042.6	1060.3	1069.2
27.5°	992.9	998.3	1014.2	1033.7	1044.4
30°	959.2	966.3	985.8	1007.1	1017.8
32.5°	925.6	932.6	953.9	978.7	989.4
35°	891.9	899.0	922.0	946.8	959.2
37.5°	854.6	861.7	886.5	913.1	927.3
40°	819.2	826.3	849.3	879.5	891.9
42.5°	780.2	787.3	812.1	840.4	854.6
45°	737.6	748.2	773.1	801.4	815.6
47.5°	698.6	707.5	730.5	760.7	774.8
50°	657.8	666.7	688.0	718.1	728.7
52.5°	617.0	625.9	647.2	675.5	686.2
55°	574.5	583.3	602.9	629.4	638.3
57.5°	533.7	540.8	558.5	583.3	590.4
60°	491.1	498.2	512.4	535.5	540.8
62.5°	445.0	450.4	466.3	487.6	494.7
65°	402.5	406.0	418.5	436.2	438.0
67.5°	358.2	361.7	374.1	386.5	391.9
70°	313.8	319.2	328.0	340.4	344.0
72.5°	271.3	276.6	285.5	296.1	297.9
75°	228.7	234.0	242.9	253.6	253.6
77.5°	187.9	193.3	203.9	212.8	212.8
80°	147.2	156.0	166.7	175.5	175.5
82.5°	113.5	120.6	134.8	141.8	141.8
85°	83.3	92.2	106.4	113.5	111.7
87.5°	60.3	69.2	81.6	86.9	85.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)