

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: P383786

Luminaire Tested: **22ID-35-L830-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-35-L830-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

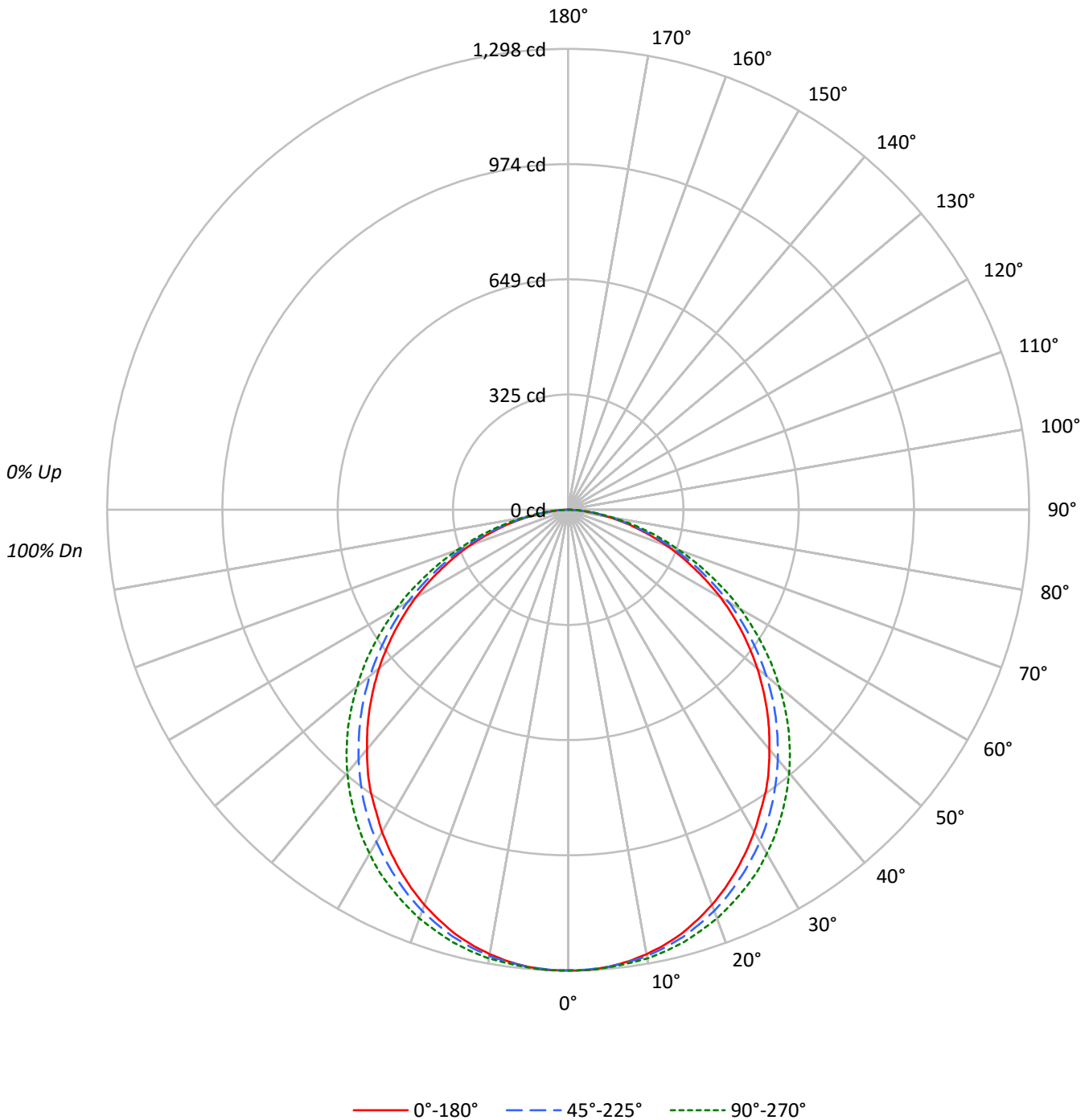
Lumens per Lamp: N/A
Luminaire Lumens: 3524.8 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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					100			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84					84			
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71					71			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60					60			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51					51			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44					44			
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39					39			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31					31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28					28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3493	3493	3493
5°	3491	3491	3496
10°	3474	3488	3508
15°	3443	3472	3512
20°	3392	3442	3509
25°	3327	3401	3496
30°	3256	3355	3476
35°	3186	3297	3442
40°	3095	3226	3401
45°	3009	3144	3340
50°	2910	3051	3251
55°	2795	2936	3144
60°	2672	2815	3016
65°	2495	2642	2823
70°	2316	2441	2609
75°	2065	2175	2359
80°	1731	1813	1979
85°	1315	1315	1479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	3.5
10°-20°	351.5	10.0
20°-30°	528.5	15.0
30°-40°	628.7	17.8
40°-50°	639.7	18.1
50°-60°	563.0	16.0
60°-70°	413.0	11.7
70°-80°	224.2	6.4
80°-90°	53.5	1.5
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°	1002.8	28.4
0°-40°	1631.5	46.3
0°-60°	2834.2	80.4
0°-90°	3524.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3524.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1298	1298	1298	1298	1298	
5°	1292	1291	1292	1292	1294	123
15°	1236	1238	1246	1254	1261	348
25°	1121	1128	1145	1165	1177	516
35°	970	977	1004	1034	1048	606
45°	791	798	826	862	878	610
55°	596	605	626	656	670	533
65°	392	399	415	433	443	389
75°	199	202	209	220	227	211
85°	43	43	43	46	48	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1297.9	1297.9	1297.9	1297.9	1297.9
2.5°	1297.9	1296.1	1296.1	1296.1	1297.9
5°	1292.5	1290.8	1292.5	1292.5	1294.3
7.5°	1283.7	1281.9	1285.4	1287.2	1289.0
10°	1271.3	1271.3	1276.6	1280.1	1283.7
12.5°	1255.3	1257.1	1262.4	1267.7	1273.0
15°	1235.8	1237.6	1246.4	1253.5	1260.6
17.5°	1211.0	1214.5	1225.2	1235.8	1242.9
20°	1184.4	1189.7	1202.1	1216.3	1225.2
22.5°	1154.2	1161.3	1175.5	1193.3	1202.1
25°	1120.6	1127.6	1145.4	1164.9	1177.3
27.5°	1085.1	1094.0	1113.5	1136.5	1150.7
30°	1047.9	1056.7	1079.8	1104.6	1118.8
32.5°	1007.1	1017.7	1042.5	1070.9	1085.1
35°	969.8	976.9	1003.5	1033.7	1047.9
37.5°	927.3	936.2	961.0	992.9	1008.9
40°	881.2	890.1	918.4	950.3	968.1
42.5°	836.9	844.0	872.3	907.8	923.8
45°	790.8	797.9	826.2	861.7	877.7
47.5°	742.9	751.8	778.4	812.0	828.0
50°	695.0	702.1	728.7	760.6	776.6
52.5°	645.4	652.5	677.3	709.2	725.2
55°	595.7	604.6	625.9	656.0	670.2
57.5°	546.1	555.0	574.5	602.8	615.2
60°	496.4	503.5	523.0	547.9	560.3
62.5°	443.3	448.6	468.1	492.9	503.5
65°	391.8	398.9	414.9	432.6	443.3
67.5°	344.0	347.5	361.7	381.2	388.3
70°	294.3	297.9	310.3	326.2	331.6
72.5°	244.7	250.0	258.9	273.0	280.1
75°	198.6	202.1	209.2	219.9	226.9
77.5°	154.3	156.0	161.3	170.2	175.5
80°	111.7	113.5	117.0	124.1	127.7
82.5°	74.5	76.2	78.0	81.6	85.1
85°	42.6	42.6	42.6	46.1	47.9
87.5°	16.0	14.2	14.2	14.2	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)