

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: P383894

Luminaire Tested: **14ID-30-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-30-L830-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

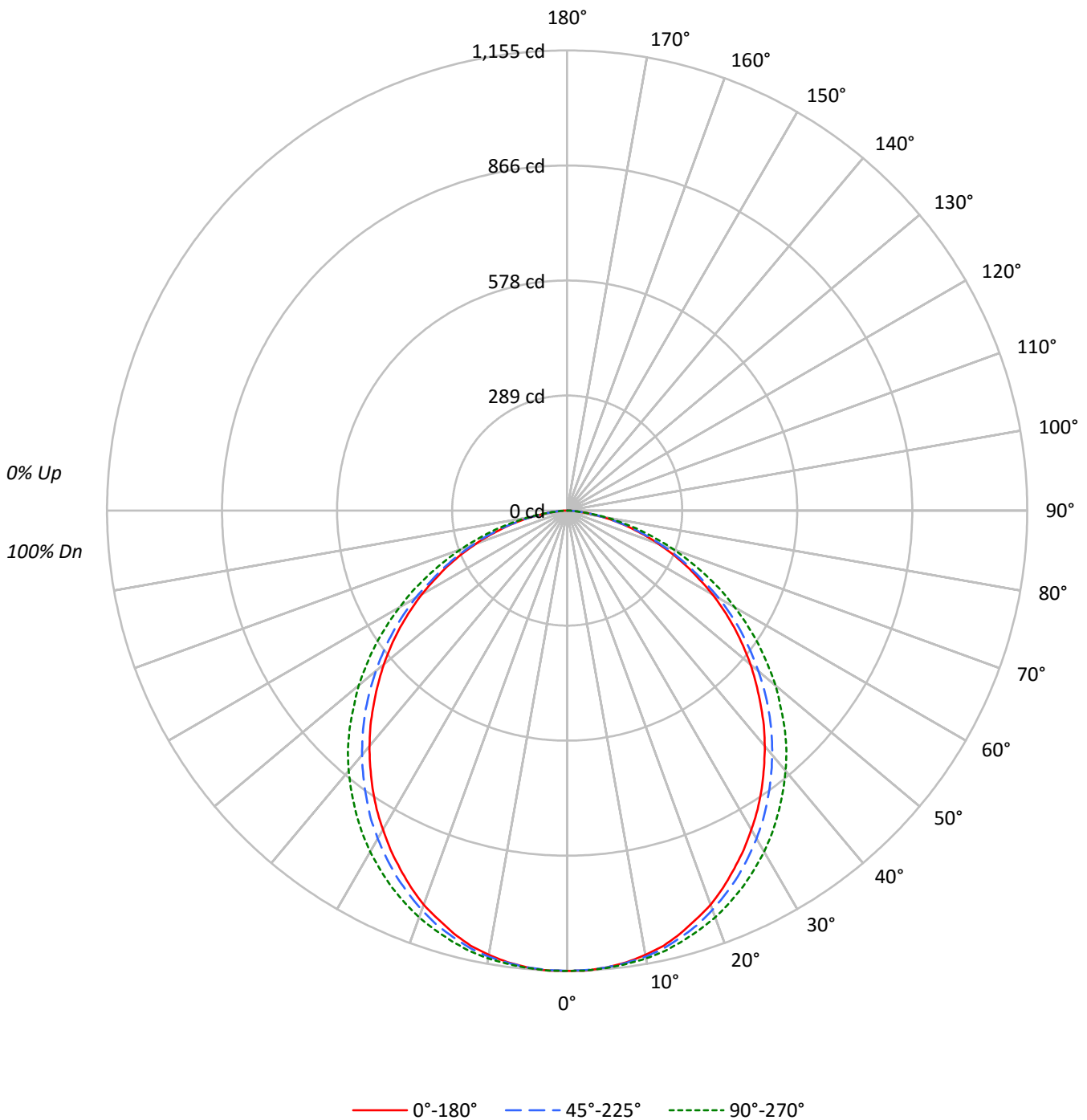
Lumens per Lamp: N/A
Luminaire Lumens: 3050.0 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
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	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3109	3109	3109
5°	3109	3109	3113
10°	3095	3107	3119
15°	3061	3087	3117
20°	3015	3055	3112
25°	2945	3009	3095
30°	2873	2954	3072
35°	2797	2887	3037
40°	2711	2813	2996
45°	2611	2728	2937
50°	2514	2623	2860
55°	2402	2510	2753
60°	2270	2369	2616
65°	2111	2180	2443
70°	1912	1984	2237
75°	1669	1732	1955
80°	1350	1373	1539
85°	803	895	756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	3.6
10°-20°	312.6	10.2
20°-30°	467.6	15.3
30°-40°	552.5	18.1
40°-50°	557.5	18.3
50°-60°	484.1	15.9
60°-70°	347.2	11.4
70°-80°	180.9	5.9
80°-90°	38.2	1.3
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°	889.6	29.2
0°-40°	1442.1	47.3
0°-60°	2483.8	81.4
0°-90°	3050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1155	1155	1155	1155	1155	
5°	1151	1149	1151	1151	1152	109
15°	1099	1100	1108	1116	1119	310
25°	992	998	1013	1033	1042	457
35°	851	857	879	911	925	532
45°	686	694	717	753	772	530
55°	512	517	535	570	587	457
65°	332	330	342	368	384	328
75°	160	159	167	179	188	171
85°	26	29	29	26	24	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1155.4	1155.4	1155.4	1155.4	1155.4
2.5°	1155.4	1153.9	1153.9	1153.9	1155.4
5°	1150.8	1149.3	1150.8	1150.8	1152.3
7.5°	1143.2	1141.6	1144.7	1146.2	1147.7
10°	1132.5	1132.5	1137.0	1140.1	1141.6
12.5°	1118.7	1118.7	1124.8	1129.4	1132.5
15°	1098.8	1100.4	1108.0	1115.6	1118.7
17.5°	1075.9	1080.5	1089.7	1100.4	1103.4
20°	1053.0	1056.0	1066.7	1080.5	1086.6
22.5°	1023.9	1028.5	1040.8	1059.1	1065.2
25°	991.9	998.0	1013.3	1033.1	1042.3
27.5°	959.8	964.3	982.7	1005.6	1016.3
30°	924.6	930.7	950.6	976.6	988.8
32.5°	889.5	894.0	917.0	944.5	958.2
35°	851.3	857.4	878.8	910.9	924.6
37.5°	811.5	819.2	840.6	874.2	889.5
40°	771.8	776.4	800.8	834.4	852.8
42.5°	730.5	736.6	759.6	796.2	814.6
45°	686.2	693.8	716.8	753.4	771.8
47.5°	643.4	651.0	672.4	709.1	725.9
50°	600.6	605.2	626.6	663.3	683.1
52.5°	556.3	560.9	580.7	615.9	634.2
55°	512.0	516.6	534.9	570.0	586.9
57.5°	466.1	469.2	487.5	519.6	536.4
60°	421.8	423.3	440.1	469.2	486.0
62.5°	374.4	376.0	388.2	421.8	437.1
65°	331.6	330.1	342.3	368.3	383.6
67.5°	287.3	287.3	298.0	320.9	333.2
70°	243.0	243.0	252.2	272.0	284.3
72.5°	201.7	201.7	209.4	224.7	233.8
75°	160.5	158.9	166.6	178.8	188.0
77.5°	122.3	122.3	125.3	136.0	142.1
80°	87.1	87.1	88.6	94.8	99.3
82.5°	55.0	55.0	55.0	58.1	59.6
85°	26.0	29.0	29.0	26.0	24.5
87.5°	12.2	12.2	10.7	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)