

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: P384028

Luminaire Tested: **24ID-60-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384028
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: 24ID-60-L840-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

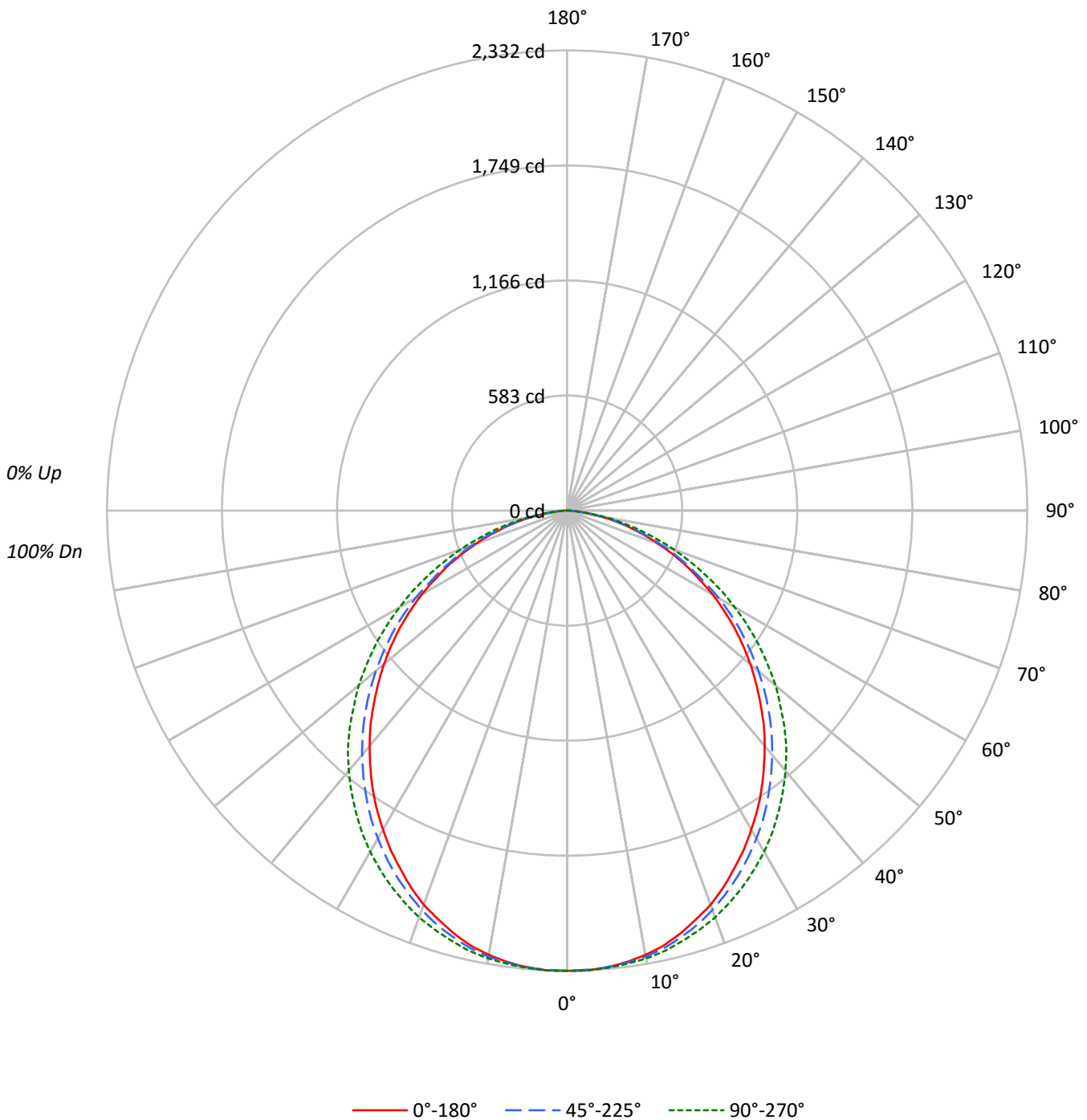
Lumens per Lamp: N/A
Luminaire Lumens: 6157.0 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.6
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°	3138	3138	3138
5°	3138	3138	3142
10°	3123	3136	3149
15°	3090	3116	3146
20°	3044	3083	3141
25°	2972	3037	3124
30°	2900	2981	3101
35°	2823	2914	3066
40°	2736	2839	3024
45°	2636	2753	2965
50°	2538	2648	2887
55°	2424	2533	2779
60°	2291	2391	2640
65°	2131	2200	2465
70°	1930	2002	2257
75°	1684	1748	1973
80°	1363	1386	1554
85°	809	905	763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.8	3.6
10°-20°	631.1	10.2
20°-30°	944.0	15.3
30°-40°	1115.3	18.1
40°-50°	1125.4	18.3
50°-60°	977.4	15.9
60°-70°	700.8	11.4
70°-80°	365.1	5.9
80°-90°	77.1	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°	1795.9	29.2
0°-40°	2911.2	47.3
0°-60°	5014.0	81.4
0°-90°	6157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6157.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2332	2332	2332	2332	2332	
5°	2323	2320	2323	2323	2326	221
15°	2218	2221	2237	2252	2258	625
25°	2002	2015	2045	2086	2104	923
35°	1718	1731	1774	1839	1866	1074
45°	1385	1401	1447	1521	1558	1070
55°	1034	1043	1080	1151	1185	923
65°	670	666	691	744	774	662
75°	324	321	336	361	380	346
85°	52	59	59	52	49	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2332.4	2332.4	2332.4	2332.4	2332.4
2.5°	2332.4	2329.3	2329.3	2329.3	2332.4
5°	2323.1	2320.0	2323.1	2323.1	2326.2
7.5°	2307.7	2304.6	2310.8	2313.8	2316.9
10°	2286.1	2286.1	2295.3	2301.5	2304.6
12.5°	2258.3	2258.3	2270.7	2279.9	2286.1
15°	2218.2	2221.3	2236.7	2252.1	2258.3
17.5°	2171.9	2181.2	2199.7	2221.3	2227.5
20°	2125.6	2131.8	2153.4	2181.2	2193.5
22.5°	2067.0	2076.3	2101.0	2138.0	2150.3
25°	2002.2	2014.6	2045.4	2085.5	2104.1
27.5°	1937.5	1946.7	1983.7	2030.0	2051.6
30°	1866.5	1878.8	1918.9	1971.4	1996.1
32.5°	1795.5	1804.8	1851.1	1906.6	1934.4
35°	1718.4	1730.8	1773.9	1838.7	1866.5
37.5°	1638.2	1653.6	1696.8	1764.7	1795.5
40°	1558.0	1567.2	1616.6	1684.5	1721.5
42.5°	1474.7	1487.0	1533.3	1607.3	1644.4
45°	1385.2	1400.6	1446.9	1521.0	1558.0
47.5°	1298.8	1314.3	1357.5	1431.5	1465.4
50°	1212.5	1221.7	1264.9	1338.9	1379.0
52.5°	1123.0	1132.2	1172.3	1243.3	1280.3
55°	1033.5	1042.8	1079.8	1150.8	1184.7
57.5°	941.0	947.1	984.2	1048.9	1082.9
60°	851.5	854.6	888.5	947.1	981.1
62.5°	755.9	758.9	783.6	851.5	882.3
65°	669.5	666.4	691.1	743.5	774.4
67.5°	580.0	580.0	601.6	647.9	672.6
70°	490.5	490.5	509.0	549.2	573.8
72.5°	407.2	407.2	422.7	453.5	472.0
75°	323.9	320.9	336.3	361.0	379.5
77.5°	246.8	246.8	253.0	274.6	286.9
80°	175.9	175.9	178.9	191.3	200.5
82.5°	111.1	111.1	111.1	117.2	120.3
85°	52.4	58.6	58.6	52.4	49.4
87.5°	24.7	24.7	21.6	21.6	21.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)