

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: P384029

Luminaire Tested: **24ID-60-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384029
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-L850-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

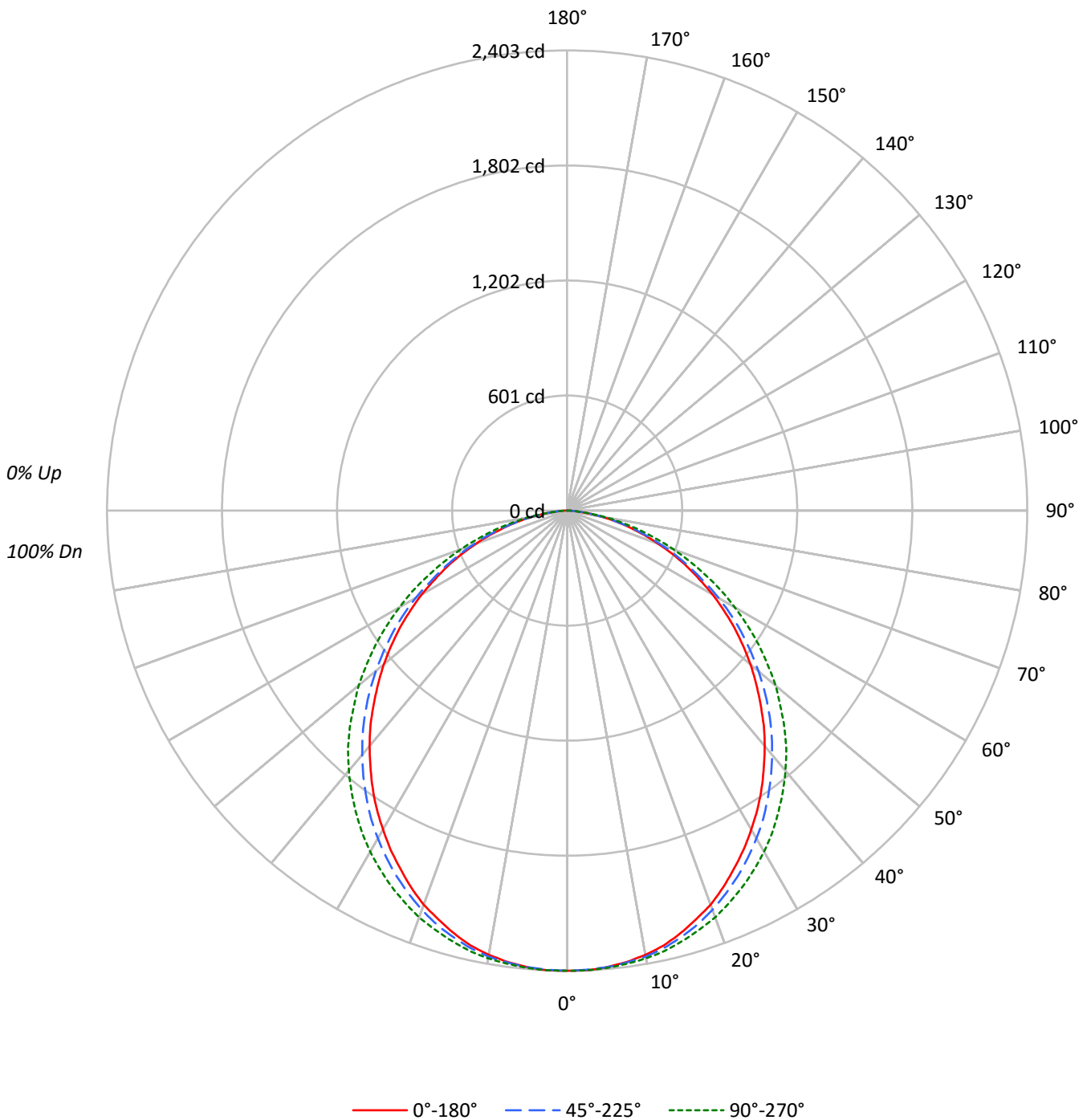
Lumens per Lamp: N/A
Luminaire Lumens: 6343.6 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3233	3233	3233
5°	3233	3233	3237
10°	3218	3231	3244
15°	3183	3210	3241
20°	3136	3177	3236
25°	3063	3129	3218
30°	2988	3072	3195
35°	2908	3002	3159
40°	2819	2925	3115
45°	2716	2837	3054
50°	2615	2728	2974
55°	2498	2610	2863
60°	2361	2463	2720
65°	2196	2267	2540
70°	1988	2063	2326
75°	1735	1801	2033
80°	1404	1429	1601
85°	834	932	786



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	3.6
10°-20°	650.2	10.2
20°-30°	972.6	15.3
30°-40°	1149.1	18.1
40°-50°	1159.5	18.3
50°-60°	1007.0	15.9
60°-70°	722.1	11.4
70°-80°	376.2	5.9
80°-90°	79.4	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°	1850.3	29.2
0°-40°	2999.4	47.3
0°-60°	5166.0	81.4
0°-90°	6343.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6343.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2403	2403	2403	2403	2403	
5°	2394	2390	2394	2394	2397	227
15°	2285	2289	2304	2320	2327	644
25°	2063	2076	2107	2149	2168	951
35°	1770	1783	1828	1894	1923	1107
45°	1427	1443	1491	1567	1605	1102
55°	1065	1074	1112	1186	1221	951
65°	690	687	712	766	798	682
75°	334	331	346	372	391	356
85°	54	60	60	54	51	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2403.0	2403.0	2403.0	2403.0	2403.0
2.5°	2403.0	2399.9	2399.9	2399.9	2403.0
5°	2393.5	2390.3	2393.5	2393.5	2396.7
7.5°	2377.6	2374.4	2380.8	2384.0	2387.1
10°	2355.4	2355.4	2364.9	2371.3	2374.4
12.5°	2326.8	2326.8	2339.5	2349.0	2355.4
15°	2285.4	2288.6	2304.5	2320.4	2326.8
17.5°	2237.8	2247.3	2266.4	2288.6	2295.0
20°	2190.1	2196.4	2218.7	2247.3	2260.0
22.5°	2129.7	2139.2	2164.6	2202.8	2215.5
25°	2062.9	2075.6	2107.4	2148.7	2167.8
27.5°	1996.2	2005.7	2043.9	2091.5	2113.8
30°	1923.1	1935.8	1977.1	2031.1	2056.6
32.5°	1850.0	1859.5	1907.2	1964.4	1993.0
35°	1770.5	1783.2	1827.7	1894.5	1923.1
37.5°	1687.8	1703.7	1748.2	1818.2	1850.0
40°	1605.2	1614.7	1665.6	1735.5	1773.7
42.5°	1519.4	1532.1	1579.8	1656.1	1694.2
45°	1427.2	1443.1	1490.8	1567.1	1605.2
47.5°	1338.2	1354.1	1398.6	1474.9	1509.8
50°	1249.2	1258.7	1303.2	1379.5	1420.8
52.5°	1157.0	1166.6	1207.9	1281.0	1319.1
55°	1064.8	1074.4	1112.5	1185.6	1220.6
57.5°	969.5	975.8	1014.0	1080.7	1115.7
60°	877.3	880.5	915.4	975.8	1010.8
62.5°	778.8	781.9	807.4	877.3	909.1
65°	689.8	686.6	712.0	766.0	797.8
67.5°	597.6	597.6	619.8	667.5	692.9
70°	505.4	505.4	524.5	565.8	591.2
72.5°	419.6	419.6	435.5	467.3	486.3
75°	333.8	330.6	346.5	371.9	391.0
77.5°	254.3	254.3	260.6	282.9	295.6
80°	181.2	181.2	184.4	197.1	206.6
82.5°	114.4	114.4	114.4	120.8	124.0
85°	54.0	60.4	60.4	54.0	50.9
87.5°	25.4	25.4	22.3	22.3	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)