

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: P384033

Luminaire Tested: **24ID-65-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384033
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-65-L850-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

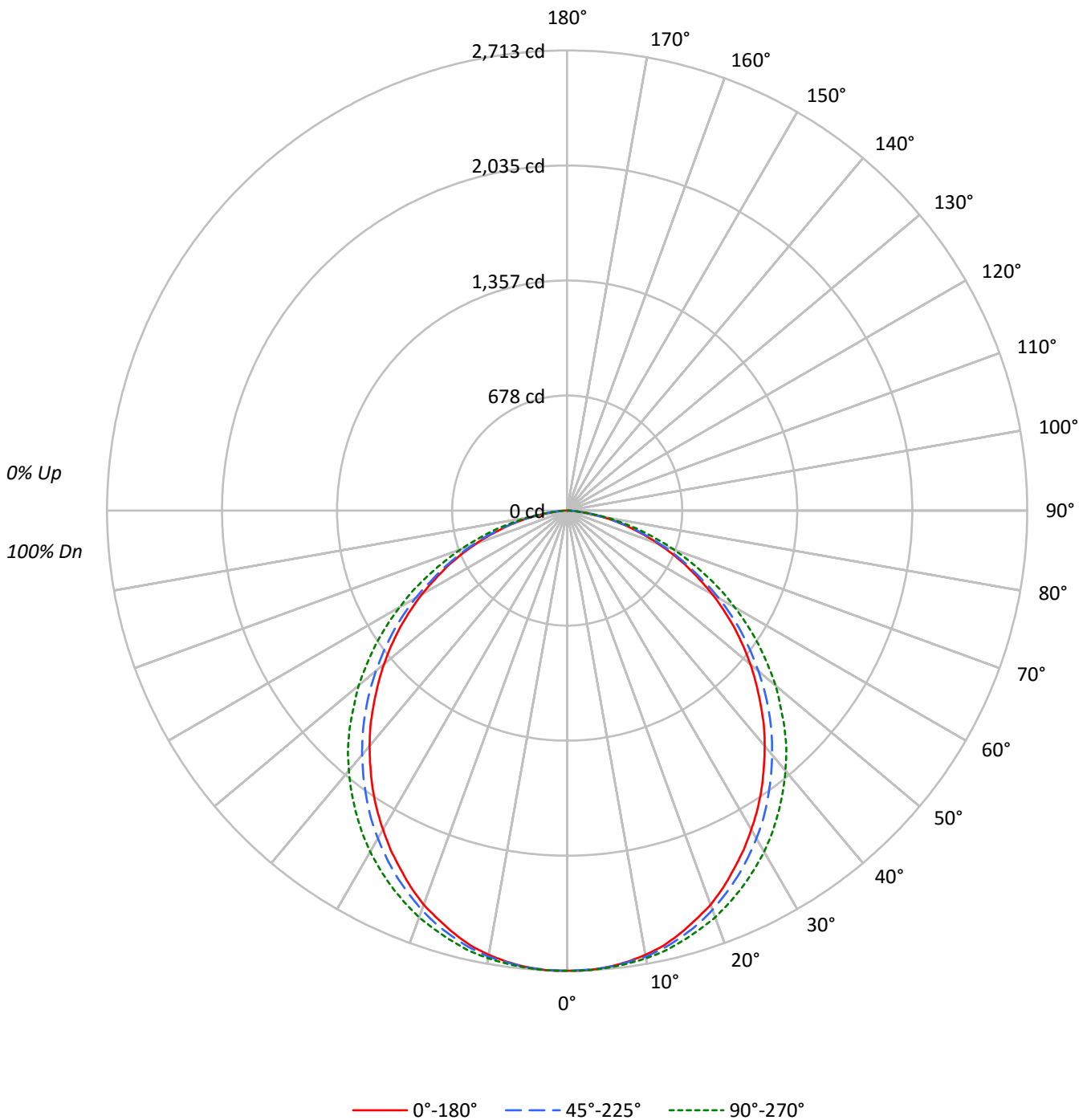
Lumens per Lamp: N/A
Luminaire Lumens: 7162.7 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63.6
Input Voltage (V): NR
Input Current (Ain): 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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31					31			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3651	3651	3651
5°	3650	3650	3655
10°	3634	3648	3663
15°	3595	3625	3660
20°	3541	3587	3654
25°	3458	3533	3634
30°	3374	3468	3608
35°	3284	3390	3567
40°	3183	3303	3518
45°	3066	3203	3449
50°	2952	3080	3358
55°	2820	2947	3233
60°	2666	2781	3071
65°	2479	2559	2868
70°	2245	2330	2626
75°	1959	2034	2295
80°	1585	1613	1808
85°	942	1053	886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.9	3.6
10°-20°	734.2	10.2
20°-30°	1098.2	15.3
30°-40°	1297.5	18.1
40°-50°	1309.3	18.3
50°-60°	1137.0	15.9
60°-70°	815.3	11.4
70°-80°	424.7	5.9
80°-90°	89.7	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°	2089.2	29.2
0°-40°	3386.7	47.3
0°-60°	5833.0	81.4
0°-90°	7162.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7162.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2713	2713	2713	2713	2713	
5°	2703	2699	2703	2703	2706	257
15°	2580	2584	2602	2620	2627	727
25°	2329	2344	2380	2426	2448	1073
35°	1999	2014	2064	2139	2171	1250
45°	1612	1629	1683	1769	1812	1244
55°	1202	1213	1256	1339	1378	1074
65°	779	775	804	865	901	770
75°	377	373	391	420	442	402
85°	61	68	68	61	57	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2713.3	2713.3	2713.3	2713.3	2713.3
2.5°	2713.3	2709.7	2709.7	2709.7	2713.3
5°	2702.6	2699.0	2702.6	2702.6	2706.1
7.5°	2684.6	2681.0	2688.2	2691.8	2695.4
10°	2659.5	2659.5	2670.3	2677.4	2681.0
12.5°	2627.2	2627.2	2641.5	2652.3	2659.5
15°	2580.5	2584.1	2602.1	2620.0	2627.2
17.5°	2526.7	2537.5	2559.0	2584.1	2591.3
20°	2472.9	2480.0	2505.2	2537.5	2551.8
22.5°	2404.7	2415.4	2444.1	2487.2	2501.6
25°	2329.3	2343.7	2379.5	2426.2	2447.7
27.5°	2253.9	2264.7	2307.8	2361.6	2386.7
30°	2171.4	2185.7	2232.4	2293.4	2322.1
32.5°	2088.8	2099.6	2153.4	2218.0	2250.3
35°	1999.1	2013.5	2063.7	2139.1	2171.4
37.5°	1905.8	1923.7	1974.0	2052.9	2088.8
40°	1812.5	1823.2	1880.7	1959.6	2002.7
42.5°	1715.6	1729.9	1783.8	1869.9	1913.0
45°	1611.5	1629.4	1683.3	1769.4	1812.5
47.5°	1511.0	1528.9	1579.2	1665.3	1704.8
50°	1410.5	1421.3	1471.5	1557.6	1604.3
52.5°	1306.4	1317.2	1363.8	1446.4	1489.5
55°	1202.3	1213.1	1256.2	1338.7	1378.2
57.5°	1094.7	1101.8	1144.9	1220.3	1259.8
60°	990.6	994.2	1033.6	1101.8	1141.3
62.5°	879.3	882.9	911.6	990.6	1026.5
65°	778.8	775.2	803.9	865.0	900.9
67.5°	674.7	674.7	699.9	753.7	782.4
70°	570.7	570.7	592.2	638.9	667.6
72.5°	473.8	473.8	491.7	527.6	549.1
75°	376.9	373.3	391.2	419.9	441.5
77.5°	287.1	287.1	294.3	319.4	333.8
80°	204.6	204.6	208.2	222.5	233.3
82.5°	129.2	129.2	129.2	136.4	140.0
85°	61.0	68.2	68.2	61.0	57.4
87.5°	28.7	28.7	25.1	25.1	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)