

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: P383928

Luminaire Tested: **14ID-70-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383928
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-70-L840-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

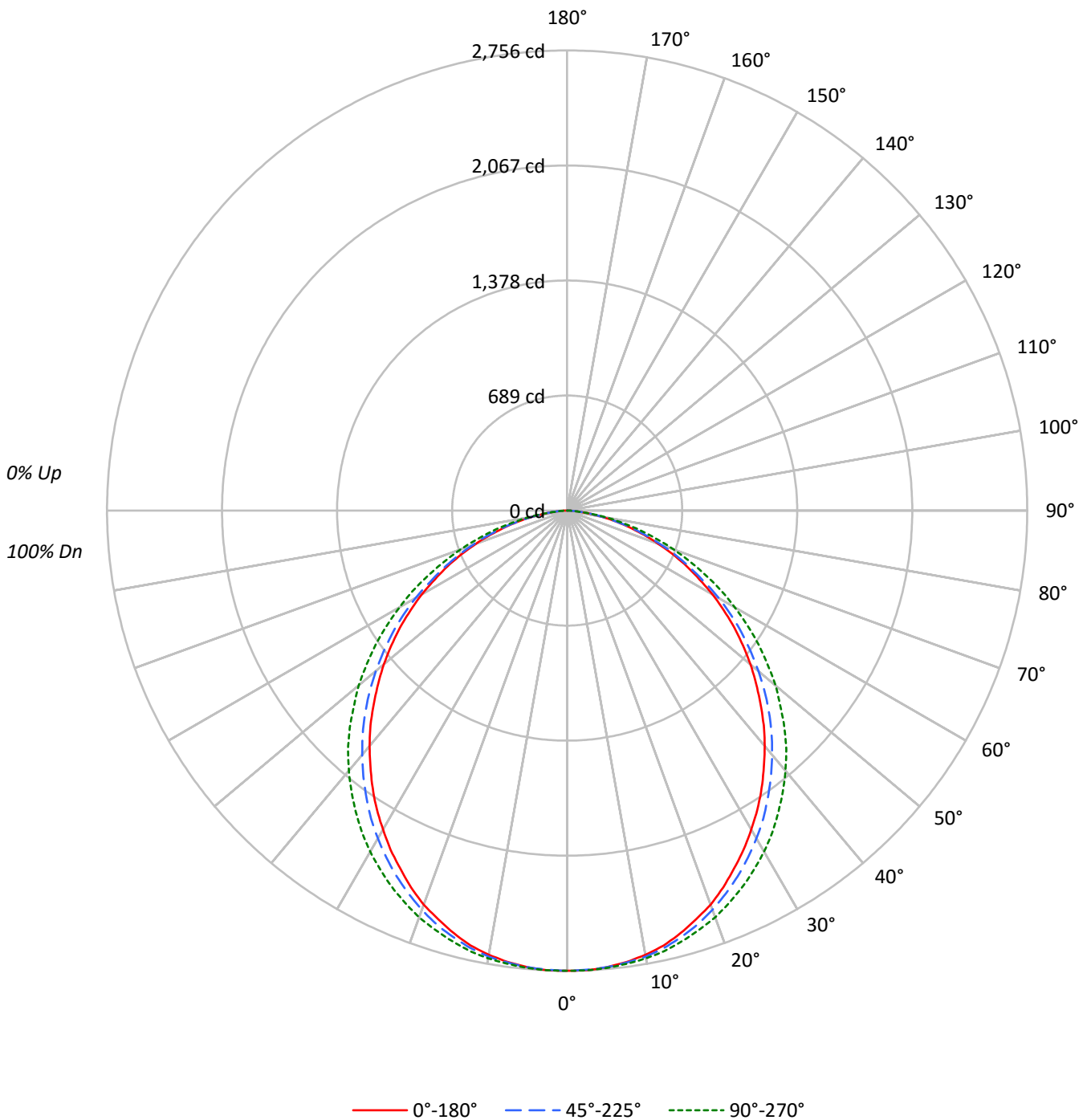
Lumens per Lamp: N/A
Luminaire Lumens: 7275.6 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 65.6
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°	7417	7417	7417
5°	7415	7415	7425
10°	7382	7411	7441
15°	7302	7363	7434
20°	7193	7287	7423
25°	7025	7177	7382
30°	6853	7046	7329
35°	6671	6886	7246
40°	6467	6711	7146
45°	6229	6507	7006
50°	5998	6257	6822
55°	5730	5986	6568
60°	5415	5651	6239
65°	5037	5200	5827
70°	4561	4733	5335
75°	3980	4132	4662
80°	3220	3276	3673
85°	1914	2140	1800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.9	3.6
10°-20°	745.7	10.2
20°-30°	1115.5	15.3
30°-40°	1318.0	18.1
40°-50°	1329.9	18.3
50°-60°	1154.9	15.9
60°-70°	828.2	11.4
70°-80°	431.4	5.9
80°-90°	91.1	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°	2122.2	29.2
0°-40°	3440.1	47.3
0°-60°	5924.9	81.4
0°-90°	7275.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7275.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2756	2756	2756	2756	2756	
5°	2745	2742	2745	2745	2749	261
15°	2621	2625	2643	2661	2669	739
25°	2366	2381	2417	2464	2486	1090
35°	2031	2045	2096	2173	2206	1269
45°	1637	1655	1710	1797	1841	1264
55°	1221	1232	1276	1360	1400	1091
65°	791	788	817	879	915	782
75°	383	379	397	426	448	408
85°	62	69	69	62	58	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2756.1	2756.1	2756.1	2756.1	2756.1
2.5°	2756.1	2752.4	2752.4	2752.4	2756.1
5°	2745.2	2741.5	2745.2	2745.2	2748.8
7.5°	2726.9	2723.3	2730.6	2734.2	2737.9
10°	2701.4	2701.4	2712.3	2719.6	2723.3
12.5°	2668.6	2668.6	2683.2	2694.1	2701.4
15°	2621.2	2624.9	2643.1	2661.3	2668.6
17.5°	2566.5	2577.5	2599.3	2624.9	2632.1
20°	2511.8	2519.1	2544.6	2577.5	2592.0
22.5°	2442.6	2453.5	2482.7	2526.4	2541.0
25°	2366.0	2380.6	2417.1	2464.4	2486.3
27.5°	2289.5	2300.4	2344.1	2398.8	2424.3
30°	2205.6	2220.2	2267.6	2329.6	2358.7
32.5°	2121.8	2132.7	2187.4	2253.0	2285.8
35°	2030.6	2045.2	2096.2	2172.8	2205.6
37.5°	1935.8	1954.1	2005.1	2085.3	2121.8
40°	1841.0	1852.0	1910.3	1990.5	2034.3
42.5°	1742.6	1757.2	1811.9	1899.4	1943.1
45°	1636.9	1655.1	1709.8	1797.3	1841.0
47.5°	1534.8	1553.0	1604.1	1691.6	1731.7
50°	1432.7	1443.7	1494.7	1582.2	1629.6
52.5°	1327.0	1337.9	1385.3	1469.2	1512.9
55°	1221.3	1232.2	1276.0	1359.8	1399.9
57.5°	1111.9	1119.2	1163.0	1239.5	1279.6
60°	1006.2	1009.8	1049.9	1119.2	1159.3
62.5°	893.2	896.8	926.0	1006.2	1042.6
65°	791.1	787.5	816.6	878.6	915.1
67.5°	685.4	685.4	710.9	765.6	794.7
70°	579.7	579.7	601.5	648.9	678.1
72.5°	481.2	481.2	499.5	535.9	557.8
75°	382.8	379.1	397.4	426.5	448.4
77.5°	291.7	291.7	298.9	324.5	339.0
80°	207.8	207.8	211.4	226.0	237.0
82.5°	131.2	131.2	131.2	138.5	142.2
85°	62.0	69.3	69.3	62.0	58.3
87.5°	29.2	29.2	25.5	25.5	25.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)