

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: P383924

Luminaire Tested: **14ID-65-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383924
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-65-L840-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

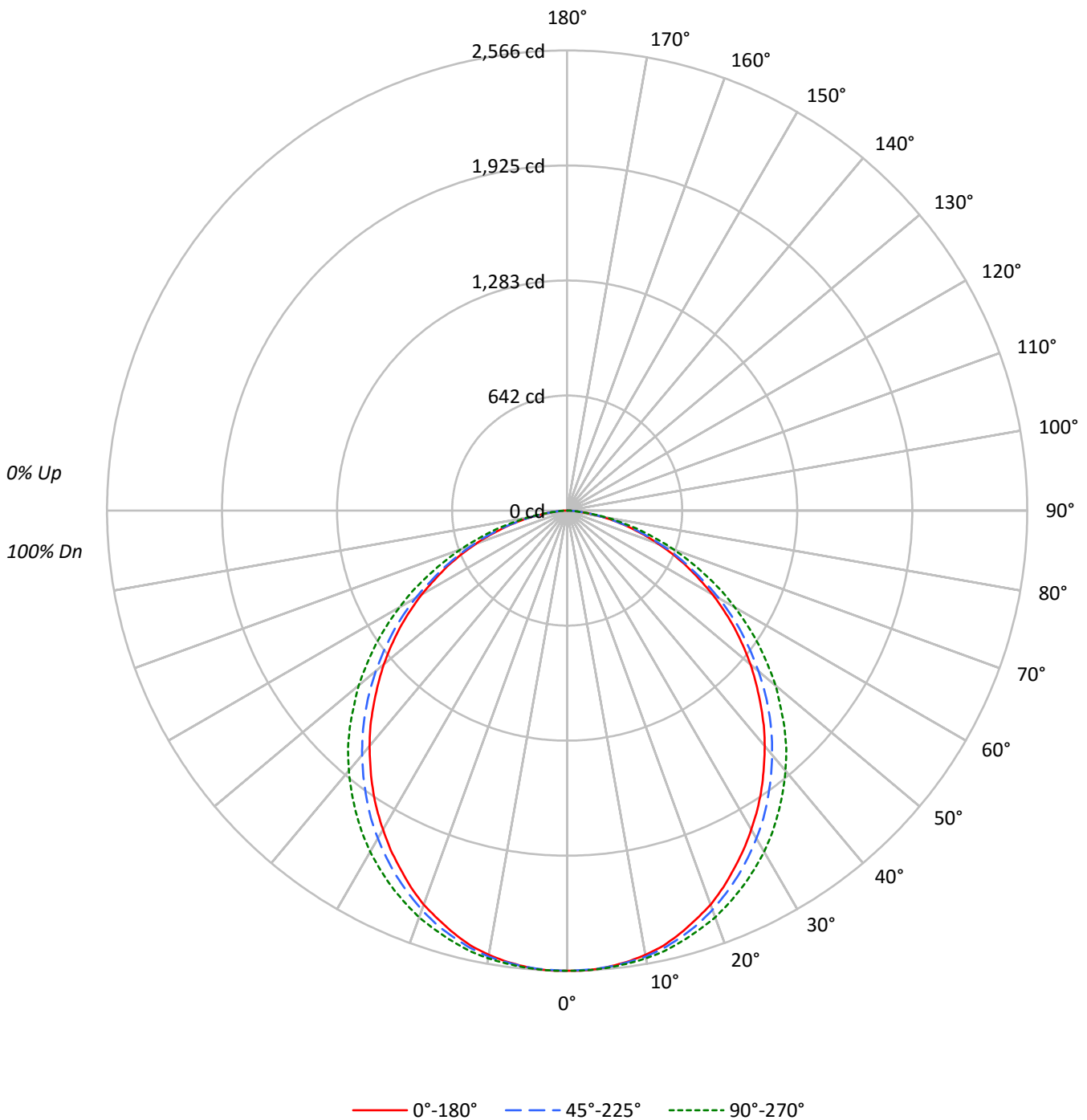
Lumens per Lamp: N/A
Luminaire Lumens: 6774.3 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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



TEST NUMBER: P383924
CATALOG NUMBER: 14ID-65-L840-CFR2

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°	6906	6906	6906
5°	6904	6904	6914
10°	6873	6901	6929
15°	6799	6856	6922
20°	6698	6785	6911
25°	6541	6682	6874
30°	6381	6560	6824
35°	6211	6412	6746
40°	6022	6248	6654
45°	5800	6059	6524
50°	5585	5826	6352
55°	5335	5574	6115
60°	5042	5261	5809
65°	4690	4842	5425
70°	4246	4407	4968
75°	3706	3847	4341
80°	2999	3051	3419
85°	1782	1991	1677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.9	3.6
10°-20°	694.3	10.2
20°-30°	1038.7	15.3
30°-40°	1227.1	18.1
40°-50°	1238.3	18.3
50°-60°	1075.3	15.9
60°-70°	771.1	11.4
70°-80°	401.7	5.9
80°-90°	84.8	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°	1975.9	29.2
0°-40°	3203.1	47.3
0°-60°	5516.7	81.4
0°-90°	6774.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6774.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2566	2566	2566	2566	2566	
5°	2556	2553	2556	2556	2559	243
15°	2441	2444	2461	2478	2485	688
25°	2203	2217	2250	2295	2315	1015
35°	1891	1904	1952	2023	2054	1182
45°	1524	1541	1592	1674	1714	1177
55°	1137	1147	1188	1266	1304	1016
65°	737	733	760	818	852	728
75°	356	353	370	397	418	380
85°	58	64	64	58	54	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2566.2	2566.2	2566.2	2566.2	2566.2
2.5°	2566.2	2562.8	2562.8	2562.8	2566.2
5°	2556.0	2552.6	2556.0	2556.0	2559.4
7.5°	2539.0	2535.6	2542.4	2545.8	2549.2
10°	2515.3	2515.3	2525.5	2532.2	2535.6
12.5°	2484.7	2484.7	2498.3	2508.5	2515.3
15°	2440.6	2444.0	2461.0	2477.9	2484.7
17.5°	2389.7	2399.9	2420.2	2444.0	2450.8
20°	2338.8	2345.6	2369.3	2399.9	2413.4
22.5°	2274.3	2284.5	2311.6	2352.3	2365.9
25°	2203.0	2216.6	2250.5	2294.6	2315.0
27.5°	2131.7	2141.9	2182.6	2233.5	2257.3
30°	2053.6	2067.2	2111.3	2169.0	2196.2
32.5°	1975.6	1985.7	2036.7	2097.8	2128.3
35°	1890.7	1904.3	1951.8	2023.1	2053.6
37.5°	1802.4	1819.4	1866.9	1941.6	1975.6
40°	1714.2	1724.4	1778.7	1853.4	1894.1
42.5°	1622.5	1636.1	1687.0	1768.5	1809.2
45°	1524.1	1541.1	1592.0	1673.5	1714.2
47.5°	1429.1	1446.0	1493.6	1575.0	1612.4
50°	1334.0	1344.2	1391.7	1473.2	1517.3
52.5°	1235.6	1245.8	1289.9	1368.0	1408.7
55°	1137.1	1147.3	1188.1	1266.1	1303.5
57.5°	1035.3	1042.1	1082.8	1154.1	1191.4
60°	936.9	940.3	977.6	1042.1	1079.4
62.5°	831.6	835.0	862.2	936.9	970.8
65°	736.6	733.2	760.4	818.1	852.0
67.5°	638.2	638.2	661.9	712.8	740.0
70°	539.7	539.7	560.1	604.2	631.4
72.5°	448.1	448.1	465.0	499.0	519.3
75°	356.4	353.0	370.0	397.1	417.5
77.5°	271.6	271.6	278.3	302.1	315.7
80°	193.5	193.5	196.9	210.5	220.6
82.5°	122.2	122.2	122.2	129.0	132.4
85°	57.7	64.5	64.5	57.7	54.3
87.5°	27.2	27.2	23.8	23.8	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)