

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: P383756

Luminaire Tested: **14ID-65-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-65-L840-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

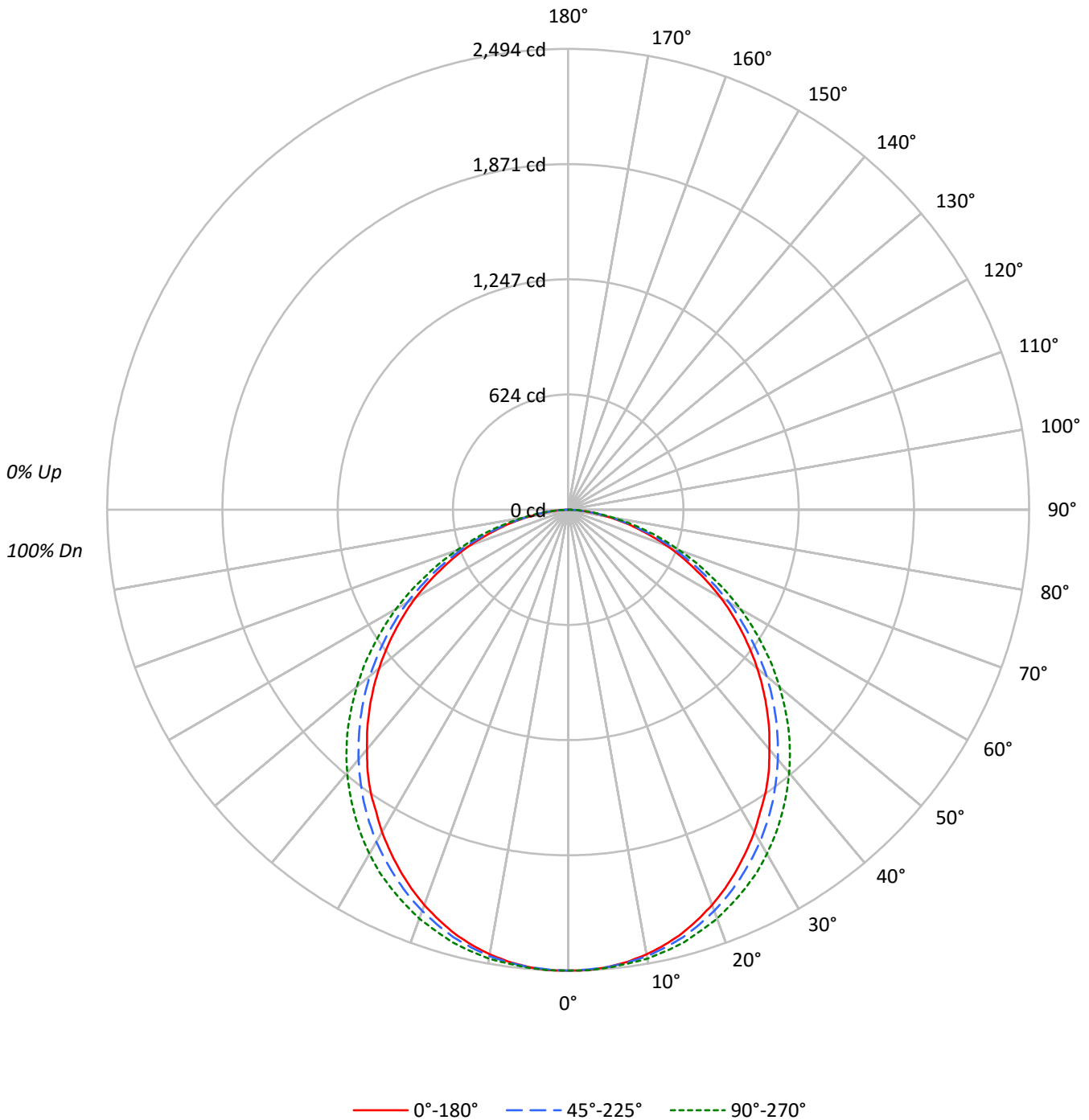
Lumens per Lamp: N/A
Luminaire Lumens: 6774.3 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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



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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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6712	6712	6712
5°	6710	6710	6719
10°	6676	6704	6741
15°	6617	6674	6750
20°	6519	6616	6743
25°	6394	6536	6718
30°	6258	6448	6681
35°	6123	6336	6616
40°	5949	6200	6536
45°	5784	6043	6419
50°	5592	5863	6248
55°	5371	5643	6043
60°	5135	5410	5795
65°	4795	5077	5424
70°	4451	4692	5013
75°	3968	4181	4535
80°	3327	3485	3801
85°	2526	2526	2841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.1	3.5
10°-20°	675.5	10.0
20°-30°	1015.7	15.0
30°-40°	1208.3	17.8
40°-50°	1229.4	18.1
50°-60°	1082.0	16.0
60°-70°	793.7	11.7
70°-80°	430.8	6.4
80°-90°	102.8	1.5
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°	1927.3	28.4
0°-40°	3135.6	46.3
0°-60°	5447.0	80.4
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°	2494	2494	2494	2494	2494	
5°	2484	2481	2484	2484	2488	236
15°	2375	2378	2396	2409	2423	669
25°	2154	2167	2201	2239	2263	992
35°	1864	1878	1929	1987	2014	1164
45°	1520	1533	1588	1656	1687	1172
55°	1145	1162	1203	1261	1288	1024
65°	753	767	797	832	852	748
75°	382	388	402	422	436	406
85°	82	82	82	89	92	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2494.4	2494.4	2494.4	2494.4	2494.4
2.5°	2494.4	2490.9	2490.9	2490.9	2494.4
5°	2484.1	2480.7	2484.1	2484.1	2487.5
7.5°	2467.1	2463.7	2470.5	2473.9	2477.3
10°	2443.2	2443.2	2453.5	2460.3	2467.1
12.5°	2412.6	2416.0	2426.2	2436.4	2446.6
15°	2375.1	2378.5	2395.5	2409.2	2422.8
17.5°	2327.4	2334.2	2354.6	2375.1	2388.7
20°	2276.3	2286.5	2310.3	2337.6	2354.6
22.5°	2218.3	2232.0	2259.2	2293.3	2310.3
25°	2153.6	2167.2	2201.3	2238.8	2262.6
27.5°	2085.4	2102.5	2140.0	2184.3	2211.5
30°	2013.9	2030.9	2075.2	2122.9	2150.2
32.5°	1935.5	1956.0	2003.7	2058.2	2085.4
35°	1863.9	1877.6	1928.7	1986.6	2013.9
37.5°	1782.2	1799.2	1846.9	1908.2	1938.9
40°	1693.6	1710.6	1765.1	1826.5	1860.5
42.5°	1608.4	1622.0	1676.5	1744.7	1775.4
45°	1519.8	1533.4	1587.9	1656.1	1686.8
47.5°	1427.8	1444.8	1495.9	1560.7	1591.3
50°	1335.8	1349.4	1400.5	1461.9	1492.5
52.5°	1240.4	1254.0	1301.7	1363.0	1393.7
55°	1144.9	1162.0	1202.9	1260.8	1288.1
57.5°	1049.5	1066.6	1104.1	1158.6	1182.4
60°	954.1	967.8	1005.2	1052.9	1076.8
62.5°	851.9	862.1	899.6	947.3	967.8
65°	753.1	766.7	797.4	831.5	851.9
67.5°	661.1	667.9	695.1	732.6	746.3
70°	565.7	572.5	596.3	627.0	637.2
72.5°	470.2	480.5	497.5	524.8	538.4
75°	381.6	388.5	402.1	422.5	436.2
77.5°	296.5	299.9	310.1	327.1	337.4
80°	214.7	218.1	224.9	238.5	245.3
82.5°	143.1	146.5	149.9	156.7	163.6
85°	81.8	81.8	81.8	88.6	92.0
87.5°	30.7	27.3	27.3	27.3	27.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)