

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: P383752

Luminaire Tested: **14ID-60-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383752
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-60-L840-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

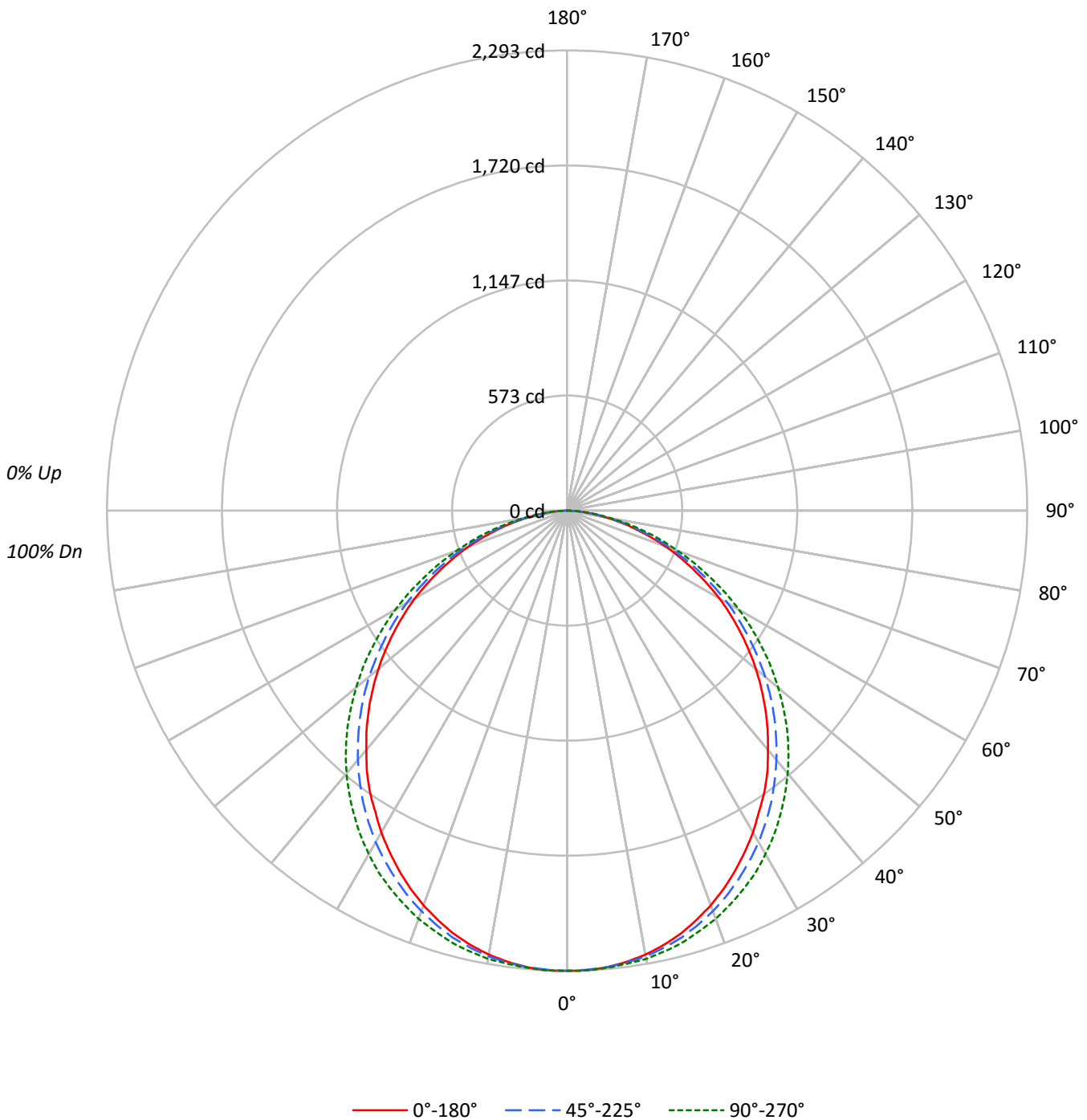
Lumens per Lamp: N/A
Luminaire Lumens: 6228.0 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.3
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°	6171	6171	6171
5°	6169	6169	6178
10°	6138	6163	6198
15°	6083	6136	6205
20°	5993	6082	6199
25°	5879	6009	6176
30°	5753	5928	6142
35°	5629	5825	6082
40°	5469	5701	6009
45°	5317	5556	5901
50°	5141	5390	5745
55°	4938	5188	5556
60°	4721	4974	5328
65°	4408	4668	4987
70°	4091	4313	4609
75°	3648	3844	4169
80°	3059	3205	3496
85°	2322	2322	2612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.0	3.5
10°-20°	621.0	10.0
20°-30°	933.8	15.0
30°-40°	1110.8	17.8
40°-50°	1130.3	18.1
50°-60°	994.7	16.0
60°-70°	729.7	11.7
70°-80°	396.1	6.4
80°-90°	94.5	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°	1771.9	28.4
0°-40°	2882.7	46.3
0°-60°	5007.7	80.4
0°-90°	6228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6228.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2293	2293	2293	2293	2293	
5°	2284	2281	2284	2284	2287	217
15°	2184	2187	2202	2215	2227	615
25°	1980	1992	2024	2058	2080	912
35°	1714	1726	1773	1826	1852	1070
45°	1397	1410	1460	1522	1551	1077
55°	1053	1068	1106	1159	1184	941
65°	692	705	733	764	783	688
75°	351	357	370	388	401	373
85°	75	75	75	82	85	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2293.2	2293.2	2293.2	2293.2	2293.2
2.5°	2293.2	2290.1	2290.1	2290.1	2293.2
5°	2283.8	2280.7	2283.8	2283.8	2286.9
7.5°	2268.1	2265.0	2271.3	2274.4	2277.5
10°	2246.2	2246.2	2255.6	2261.9	2268.1
12.5°	2218.0	2221.1	2230.5	2239.9	2249.3
15°	2183.6	2186.7	2202.4	2214.9	2227.4
17.5°	2139.7	2146.0	2164.8	2183.6	2196.1
20°	2092.7	2102.1	2124.0	2149.1	2164.8
22.5°	2039.4	2052.0	2077.0	2108.4	2124.0
25°	1979.9	1992.5	2023.8	2058.2	2080.2
27.5°	1917.3	1932.9	1967.4	2008.1	2033.2
30°	1851.5	1867.1	1907.9	1951.7	1976.8
32.5°	1779.4	1798.2	1842.1	1892.2	1917.3
35°	1713.6	1726.2	1773.2	1826.4	1851.5
37.5°	1638.4	1654.1	1698.0	1754.4	1782.6
40°	1557.0	1572.7	1622.8	1679.2	1710.5
42.5°	1478.7	1491.2	1541.3	1604.0	1632.2
45°	1397.2	1409.8	1459.9	1522.5	1550.7
47.5°	1312.6	1328.3	1375.3	1434.8	1463.0
50°	1228.1	1240.6	1287.6	1344.0	1372.2
52.5°	1140.3	1152.9	1196.7	1253.1	1281.3
55°	1052.6	1068.3	1105.9	1159.1	1184.2
57.5°	964.9	980.6	1015.0	1065.1	1087.1
60°	877.2	889.7	924.2	968.0	990.0
62.5°	783.2	792.6	827.1	870.9	889.7
65°	692.3	704.9	733.1	764.4	783.2
67.5°	607.8	614.0	639.1	673.5	686.1
70°	520.0	526.3	548.2	576.4	585.8
72.5°	432.3	441.7	457.4	482.4	495.0
75°	350.9	357.1	369.7	388.5	401.0
77.5°	272.6	275.7	285.1	300.7	310.1
80°	197.4	200.5	206.8	219.3	225.6
82.5°	131.6	134.7	137.8	144.1	150.4
85°	75.2	75.2	75.2	81.5	84.6
87.5°	28.2	25.1	25.1	25.1	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)