

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: P383760

Luminaire Tested: **14ID-70-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383760
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-70-L840-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

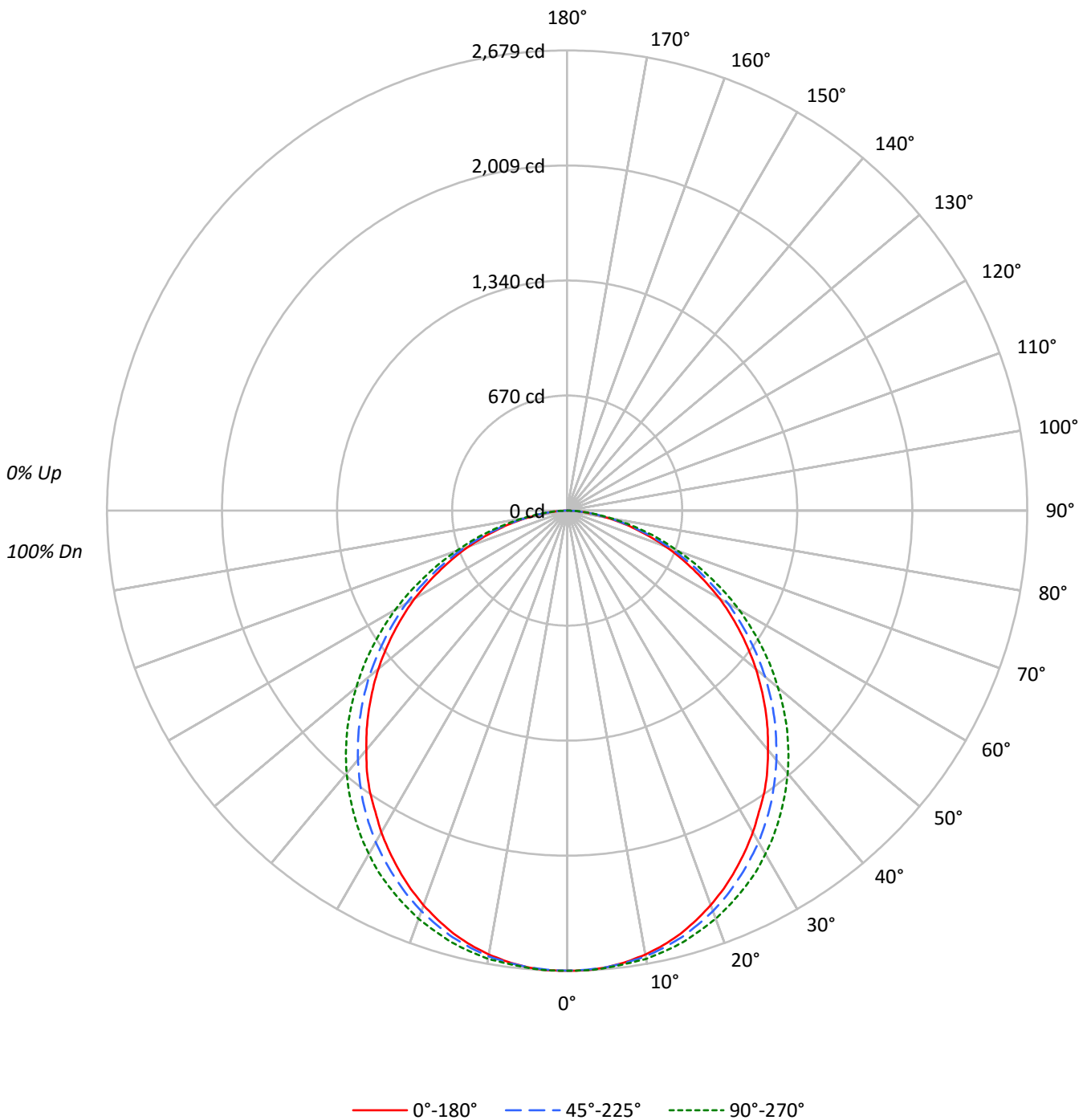
Lumens per Lamp: N/A
Luminaire Lumens: 7275.6 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	7209	7209	7209
5°	7207	7207	7217
10°	7170	7200	7240
15°	7106	7168	7249
20°	7001	7106	7242
25°	6868	7020	7215
30°	6721	6925	7176
35°	6576	6805	7105
40°	6389	6659	7019
45°	6212	6490	6894
50°	6006	6297	6711
55°	5769	6061	6490
60°	5515	5810	6224
65°	5150	5453	5826
70°	4780	5039	5385
75°	4262	4491	4870
80°	3574	3742	4083
85°	2711	2711	3051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.6	3.5
10°-20°	725.5	10.0
20°-30°	1090.9	15.0
30°-40°	1297.7	17.8
40°-50°	1320.4	18.1
50°-60°	1162.1	16.0
60°-70°	852.4	11.7
70°-80°	462.7	6.4
80°-90°	110.4	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°	2069.9	28.4
0°-40°	3367.6	46.3
0°-60°	5850.1	80.4
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°	2679	2679	2679	2679	2679	
5°	2668	2664	2668	2668	2672	253
15°	2551	2554	2573	2587	2602	719
25°	2313	2328	2364	2404	2430	1065
35°	2002	2016	2071	2134	2163	1250
45°	1632	1647	1705	1779	1812	1258
55°	1230	1248	1292	1354	1383	1100
65°	809	823	856	893	915	804
75°	410	417	432	454	468	436
85°	88	88	88	95	99	106
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2678.9	2678.9	2678.9	2678.9	2678.9
2.5°	2678.9	2675.3	2675.3	2675.3	2678.9
5°	2668.0	2664.3	2668.0	2668.0	2671.6
7.5°	2649.7	2646.0	2653.3	2657.0	2660.6
10°	2624.0	2624.0	2635.0	2642.3	2649.7
12.5°	2591.1	2594.8	2605.7	2616.7	2627.7
15°	2550.8	2554.5	2572.8	2587.4	2602.1
17.5°	2499.6	2506.9	2528.9	2550.8	2565.5
20°	2444.7	2455.7	2481.3	2510.6	2528.9
22.5°	2382.5	2397.1	2426.4	2463.0	2481.3
25°	2313.0	2327.6	2364.2	2404.5	2430.1
27.5°	2239.8	2258.1	2298.3	2345.9	2375.2
30°	2162.9	2181.2	2228.8	2280.0	2309.3
32.5°	2078.7	2100.7	2151.9	2210.5	2239.8
35°	2001.9	2016.5	2071.4	2133.6	2162.9
37.5°	1914.0	1932.3	1983.6	2049.5	2082.4
40°	1818.9	1837.2	1895.7	1961.6	1998.2
42.5°	1727.4	1742.0	1800.6	1873.8	1906.7
45°	1632.2	1646.9	1705.4	1778.6	1811.6
47.5°	1533.4	1551.7	1606.6	1676.2	1709.1
50°	1434.6	1449.3	1504.2	1570.0	1603.0
52.5°	1332.1	1346.8	1398.0	1463.9	1496.8
55°	1229.7	1248.0	1291.9	1354.1	1383.4
57.5°	1127.2	1145.5	1185.8	1244.3	1269.9
60°	1024.7	1039.4	1079.6	1130.9	1156.5
62.5°	914.9	925.9	966.2	1017.4	1039.4
65°	808.8	823.4	856.4	893.0	914.9
67.5°	710.0	717.3	746.6	786.8	801.5
70°	607.5	614.8	640.5	673.4	684.4
72.5°	505.0	516.0	534.3	563.6	578.2
75°	409.9	417.2	431.9	453.8	468.4
77.5°	318.4	322.1	333.0	351.3	362.3
80°	230.6	234.2	241.5	256.2	263.5
82.5°	153.7	157.4	161.0	168.3	175.7
85°	87.8	87.8	87.8	95.2	98.8
87.5°	32.9	29.3	29.3	29.3	29.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)