

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: P384060

Luminaire Tested: **14ID-25-L840-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-25-L840-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

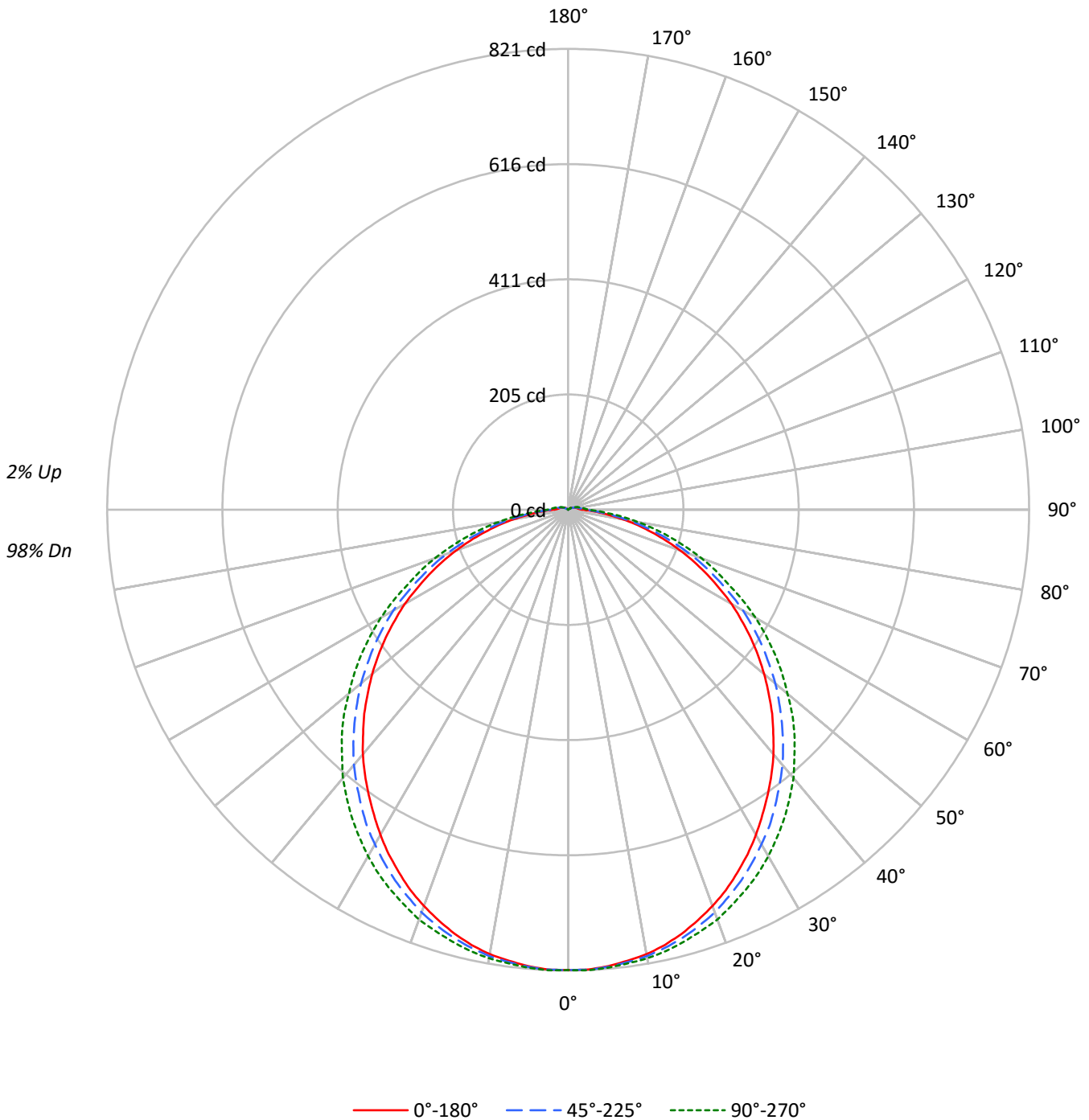
Lumens per Lamp: N/A
Luminaire Lumens: 2429.0 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 20.5
Input Voltage (V): NR
Input Current (Ain): 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	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2207	2207	2207
5°	2201	2195	2196
10°	2189	2179	2185
15°	2166	2157	2171
20°	2135	2129	2160
25°	2097	2093	2136
30°	2053	2052	2114
35°	2006	2008	2083
40°	1964	1964	2050
45°	1914	1907	2003
50°	1861	1853	1941
55°	1806	1788	1885
60°	1746	1716	1813
65°	1666	1612	1703
70°	1576	1507	1616
75°	1473	1366	1485
80°	1365	1198	1322
85°	1322	1033	1129



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	3.2
10°-20°	222.7	9.2
20°-30°	336.2	13.8
30°-40°	402.8	16.6
40°-50°	416.4	17.1
50°-60°	377.1	15.5
60°-70°	291.8	12.0
70°-80°	179.3	7.4
80°-90°	71.2	2.9
90°-100°	26.0	1.1
100°-110°	16.0	0.7
110°-120°	8.2	0.3
120°-130°	3.5	0.1
130°-140°	0.2	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°	636.5	26.2
0°-40°	1039.3	42.8
0°-60°	1832.8	75.5
0°-90°	2375.1	97.8
90°-120°	50.2	2.1
90°-150°	53.9	2.2
90°-180°	54.0	2.2
0°-180°	2429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	816	816	818	818	819	78
15°	782	783	789	794	797	220
25°	713	718	729	741	748	329
35°	619	627	643	660	671	388
45°	514	520	538	560	570	396
55°	396	405	421	440	450	354
65°	273	280	293	308	315	270
75°	153	160	168	179	187	163
85°	53	57	62	68	71	53
90°	25	28	31	34	37	14
95°	18	21	23	26	28	15
105°	14	14	15	16	17	14
115°	9	7	7	9	10	9
125°	5	4	2	4	5	5
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	820.1	820.1	820.1	820.1	820.1
2.5°	820.1	818.9	820.1	820.1	821.4
5°	816.4	816.4	817.7	817.7	818.9
7.5°	810.3	810.3	812.8	814.0	815.2
10°	804.1	804.1	807.8	809.1	811.5
12.5°	794.3	795.5	799.2	802.9	805.4
15°	782.0	783.2	789.4	794.3	796.7
17.5°	767.2	769.7	777.0	784.4	786.9
20°	751.2	754.9	763.5	772.1	777.0
22.5°	733.9	736.4	746.3	757.3	762.3
25°	713.0	717.9	729.0	741.3	747.5
27.5°	692.1	697.0	709.3	724.1	731.5
30°	668.7	673.6	688.4	704.4	713.0
32.5°	644.0	650.2	667.4	683.5	692.1
35°	619.4	626.8	642.8	660.1	671.1
37.5°	594.8	600.9	618.2	636.7	647.7
40°	568.9	575.1	593.6	612.0	624.3
42.5°	540.6	548.0	566.5	586.2	596.0
45°	513.5	519.7	538.1	560.3	570.2
47.5°	484.0	492.6	509.8	530.8	541.8
50°	455.6	463.0	481.5	501.2	509.8
52.5°	426.1	433.5	450.7	470.4	480.3
55°	396.5	405.1	421.2	439.6	449.5
57.5°	365.7	374.4	390.4	406.4	417.5
60°	336.2	344.8	359.6	375.6	385.4
62.5°	302.9	310.3	326.3	343.6	351.0
65°	273.4	279.5	293.1	307.9	315.2
67.5°	242.6	250.0	262.3	275.8	284.5
70°	211.8	220.4	230.3	242.6	252.4
72.5°	182.3	189.6	198.3	210.6	219.2
75°	152.7	160.1	167.5	178.6	187.2
77.5°	126.8	130.5	137.9	147.8	156.4
80°	98.5	103.4	109.6	119.5	125.6
82.5°	73.9	78.8	83.7	91.1	97.3
85°	53.0	56.6	61.6	67.7	71.4
87.5°	35.7	39.4	43.1	48.0	51.7
90°	24.6	28.3	30.8	34.5	36.9
92.5°	20.9	23.4	25.9	28.3	30.8
95°	18.5	20.9	23.4	25.9	28.3
97.5°	17.2	18.5	20.9	23.4	24.6
100°	16.0	17.2	18.5	20.9	22.2
102.5°	14.8	14.8	17.2	18.5	19.7
105°	13.5	13.5	14.8	16.0	17.2
107.5°	12.3	12.3	13.5	13.5	16.0
110°	11.1	9.9	11.1	11.1	13.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.9	8.6	9.9	9.9	11.1
115°	8.6	7.4	7.4	8.6	9.9
117.5°	7.4	6.2	6.2	6.2	8.6
120°	7.4	6.2	4.9	4.9	7.4
122.5°	6.2	4.9	3.7	4.9	6.2
125°	4.9	3.7	2.5	3.7	4.9
127.5°	3.7	3.7	1.2	2.5	3.7
130°	3.7	2.5	1.2	2.5	2.5
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)