

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: P384089

Luminaire Tested: **14ID-60-L850-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384089
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-60-L850-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

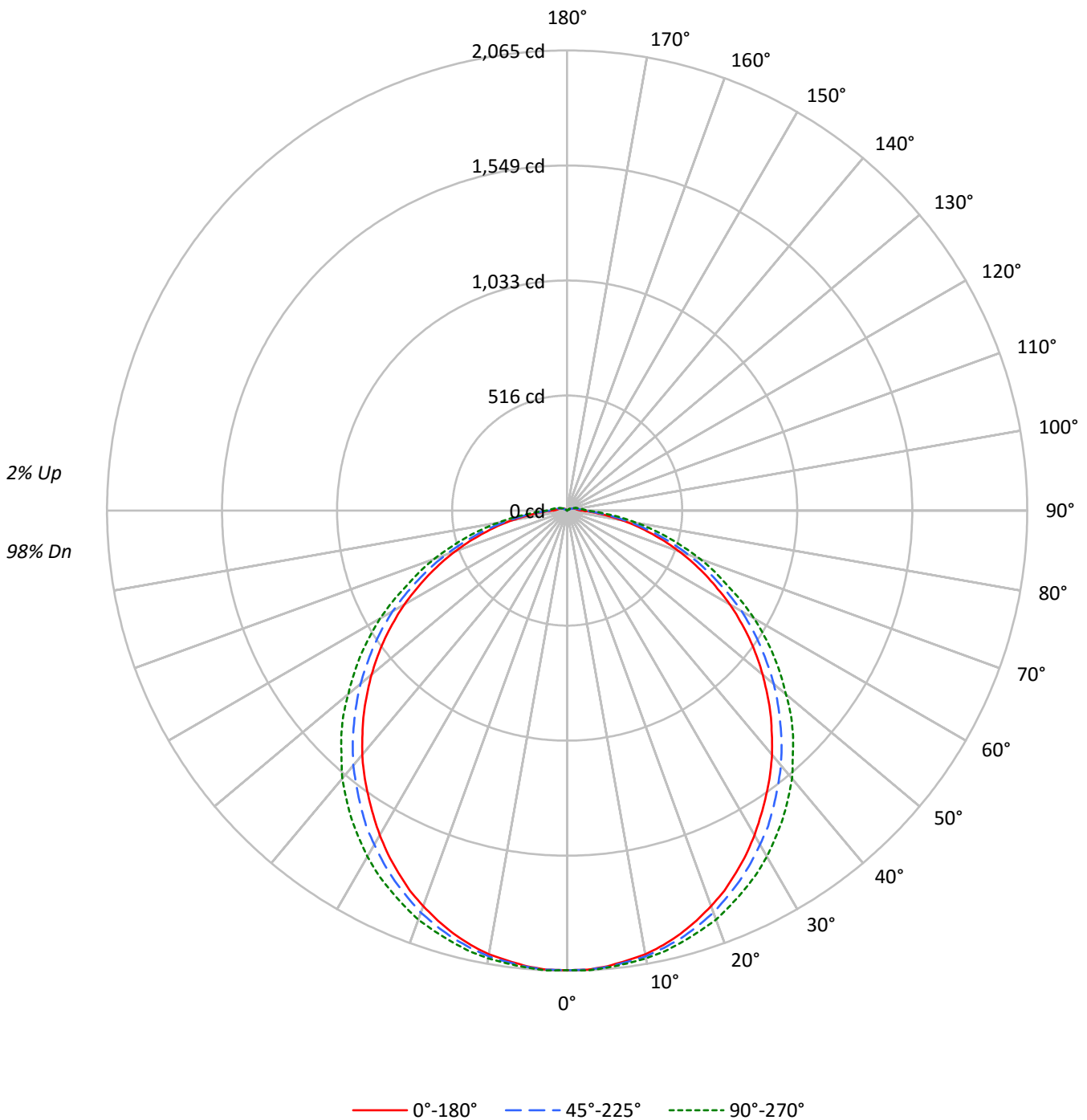
Lumens per Lamp: N/A
Luminaire Lumens: 6107.5 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 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	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°	5549	5549	5549
5°	5535	5518	5522
10°	5505	5479	5495
15°	5447	5422	5459
20°	5368	5354	5430
25°	5272	5262	5372
30°	5162	5159	5315
35°	5043	5049	5238
40°	4939	4937	5154
45°	4814	4796	5036
50°	4680	4660	4882
55°	4542	4496	4739
60°	4391	4315	4558
65°	4190	4052	4282
70°	3964	3789	4064
75°	3704	3434	3733
80°	3433	3013	3324
85°	3319	2595	2841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.3	3.2
10°-20°	559.9	9.2
20°-30°	845.2	13.8
30°-40°	1012.8	16.6
40°-50°	1047.1	17.1
50°-60°	948.2	15.5
60°-70°	733.7	12.0
70°-80°	450.7	7.4
80°-90°	179.1	2.9
90°-100°	65.3	1.1
100°-110°	40.2	0.7
110°-120°	20.7	0.3
120°-130°	8.8	0.1
130°-140°	0.6	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°	1600.4	26.2
0°-40°	2613.2	42.8
0°-60°	4608.4	75.5
0°-90°	5972.0	97.8
90°-120°	126.1	2.1
90°-150°	135.5	2.2
90°-180°	136.0	2.2
0°-180°	6107.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2062	2062	2062	2062	2062	
5°	2053	2053	2056	2056	2059	195
15°	1966	1969	1985	1997	2003	554
25°	1793	1805	1833	1864	1880	826
35°	1558	1576	1616	1660	1688	975
45°	1291	1307	1353	1409	1434	995
55°	997	1019	1059	1105	1130	891
65°	687	703	737	774	793	680
75°	384	402	421	449	471	409
85°	133	142	155	170	180	133
90°	62	71	77	87	93	36
95°	46	53	59	65	71	37
105°	34	34	37	40	43	36
115°	22	19	19	22	25	22
125°	12	9	6	9	12	12
135°	0	0	0	0	0	1
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°	2062.2	2062.2	2062.2	2062.2	2062.2
2.5°	2062.2	2059.1	2062.2	2062.2	2065.3
5°	2052.9	2052.9	2056.0	2056.0	2059.1
7.5°	2037.4	2037.4	2043.6	2046.7	2049.8
10°	2021.9	2021.9	2031.2	2034.3	2040.5
12.5°	1997.1	2000.2	2009.5	2018.8	2025.0
15°	1966.2	1969.3	1984.8	1997.1	2003.3
17.5°	1929.0	1935.2	1953.8	1972.4	1978.6
20°	1888.8	1898.1	1919.7	1941.4	1953.8
22.5°	1845.4	1851.6	1876.4	1904.3	1916.6
25°	1792.8	1805.2	1833.0	1864.0	1879.5
27.5°	1740.2	1752.5	1783.5	1820.7	1839.2
30°	1681.3	1693.7	1730.9	1771.1	1792.8
32.5°	1619.4	1634.9	1678.2	1718.5	1740.2
35°	1557.5	1576.0	1616.3	1659.6	1687.5
37.5°	1495.5	1511.0	1554.4	1600.8	1628.7
40°	1430.5	1446.0	1492.4	1538.9	1569.9
42.5°	1359.3	1377.9	1424.3	1473.9	1498.6
45°	1291.2	1306.7	1353.1	1408.8	1433.6
47.5°	1216.9	1238.5	1281.9	1334.5	1362.4
50°	1145.7	1164.2	1210.7	1260.2	1281.9
52.5°	1071.3	1089.9	1133.3	1182.8	1207.6
55°	997.0	1018.7	1059.0	1105.4	1130.2
57.5°	919.6	941.3	981.5	1021.8	1049.7
60°	845.3	867.0	904.1	944.4	969.2
62.5°	761.7	780.3	820.5	863.9	882.5
65°	687.4	702.9	736.9	774.1	792.7
67.5°	610.0	628.6	659.5	693.6	715.3
70°	532.6	554.2	579.0	610.0	634.8
72.5°	458.3	476.8	498.5	529.5	551.2
75°	383.9	402.5	421.1	449.0	470.6
77.5°	318.9	328.2	346.8	371.6	393.2
80°	247.7	260.1	275.6	300.3	315.8
82.5°	185.8	198.2	210.6	229.1	244.6
85°	133.1	142.4	154.8	170.3	179.6
87.5°	89.8	99.1	108.4	120.8	130.0
90°	61.9	71.2	77.4	86.7	92.9
92.5°	52.6	58.8	65.0	71.2	77.4
95°	46.4	52.6	58.8	65.0	71.2
97.5°	43.3	46.4	52.6	58.8	61.9
100°	40.3	43.3	46.4	52.6	55.7
102.5°	37.2	37.2	43.3	46.4	49.5
105°	34.1	34.1	37.2	40.3	43.3
107.5°	31.0	31.0	34.1	34.1	40.3
110°	27.9	24.8	27.9	27.9	34.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.8	21.7	24.8	24.8	27.9
115°	21.7	18.6	18.6	21.7	24.8
117.5°	18.6	15.5	15.5	15.5	21.7
120°	18.6	15.5	12.4	12.4	18.6
122.5°	15.5	12.4	9.3	12.4	15.5
125°	12.4	9.3	6.2	9.3	12.4
127.5°	9.3	9.3	3.1	6.2	9.3
130°	9.3	6.2	3.1	6.2	6.2
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)