

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: P384147

Luminaire Tested: **22ID-65-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384147
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: 22ID-65-L835-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

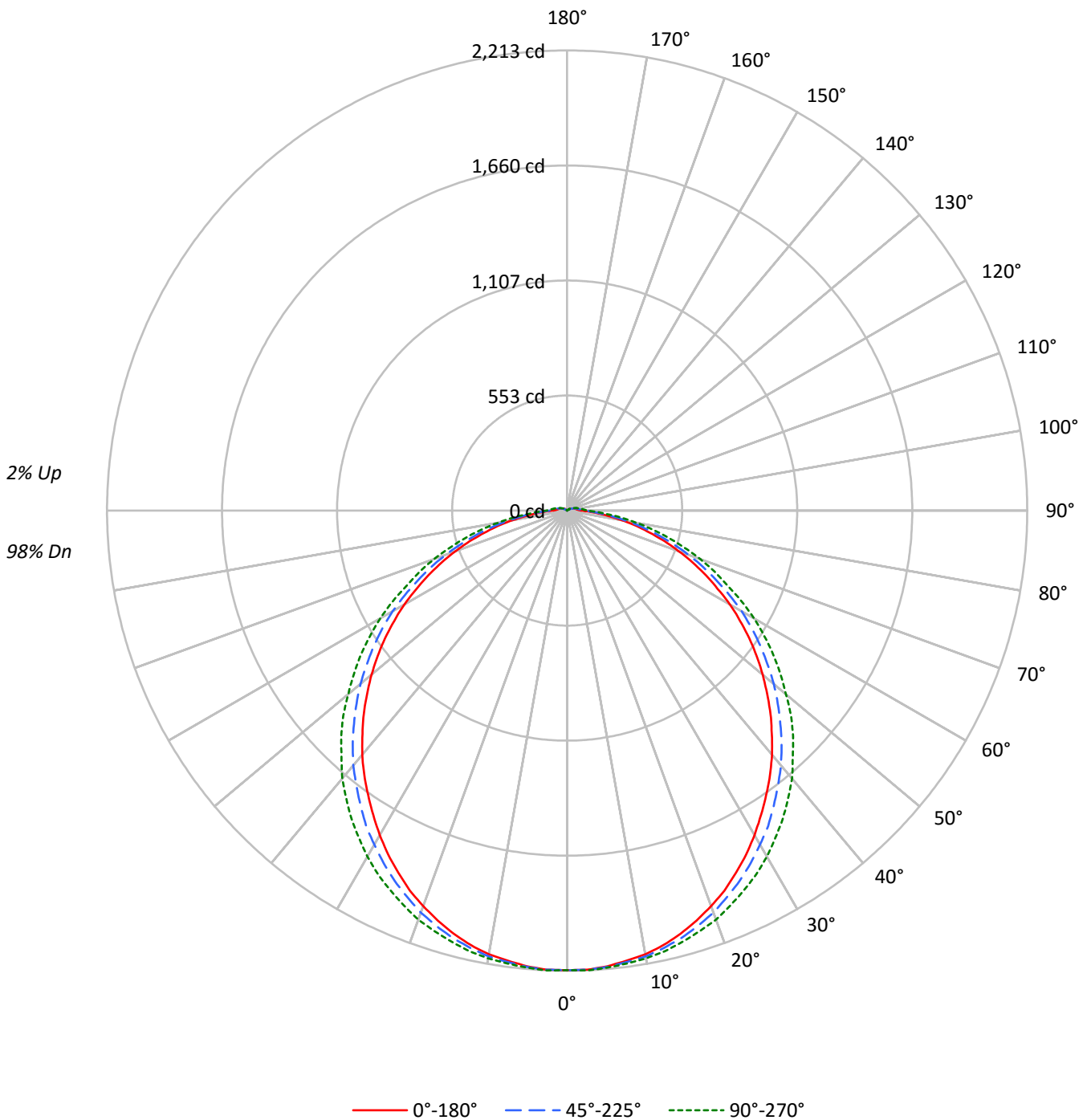
Lumens per Lamp: N/A
Luminaire Lumens: 6545.2 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 56
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°	5947	5947	5947
5°	5921	5921	5939
10°	5878	5887	5932
15°	5805	5834	5915
20°	5710	5768	5906
25°	5596	5677	5867
30°	5467	5574	5830
35°	5328	5465	5773
40°	5203	5354	5710
45°	5055	5212	5613
50°	4897	5075	5479
55°	4732	4911	5363
60°	4547	4732	5214
65°	4306	4464	4966
70°	4029	4202	4802
75°	3703	3847	4539
80°	3328	3430	4243
85°	2985	3061	4027



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	3.2
10°-20°	600.0	9.2
20°-30°	905.8	13.8
30°-40°	1085.3	16.6
40°-50°	1122.1	17.1
50°-60°	1016.2	15.5
60°-70°	786.3	12.0
70°-80°	483.0	7.4
80°-90°	191.9	2.9
90°-100°	70.0	1.1
100°-110°	43.0	0.7
110°-120°	22.1	0.3
120°-130°	9.5	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°	1715.1	26.2
0°-40°	2800.4	42.8
0°-60°	4938.7	75.5
0°-90°	6399.9	97.8
90°-120°	135.2	2.1
90°-150°	145.2	2.2
90°-180°	145.0	2.2
0°-180°	6545.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2210	2210	2210	2210	2210	
5°	2200	2200	2203	2203	2207	209
15°	2107	2110	2127	2140	2147	594
25°	1921	1934	1964	1998	2014	885
35°	1669	1689	1732	1779	1808	1045
45°	1384	1400	1450	1510	1536	1066
55°	1068	1092	1135	1185	1211	955
65°	737	753	790	830	850	729
75°	412	431	451	481	504	439
85°	143	153	166	182	192	142
90°	66	76	83	93	100	39
95°	50	56	63	70	76	40
105°	36	36	40	43	46	39
115°	23	20	20	23	26	24
125°	13	10	7	10	13	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°	2210.0	2210.0	2210.0	2210.0	2210.0
2.5°	2210.0	2206.6	2210.0	2210.0	2213.3
5°	2200.0	2200.0	2203.3	2203.3	2206.6
7.5°	2183.4	2183.4	2190.1	2193.4	2196.7
10°	2166.8	2166.8	2176.8	2180.1	2186.7
12.5°	2140.3	2143.6	2153.6	2163.5	2170.1
15°	2107.1	2110.4	2127.0	2140.3	2146.9
17.5°	2067.3	2073.9	2093.8	2113.7	2120.4
20°	2024.1	2034.1	2057.3	2080.5	2093.8
22.5°	1977.7	1984.3	2010.9	2040.7	2054.0
25°	1921.3	1934.5	1964.4	1997.6	2014.2
27.5°	1864.9	1878.1	1911.3	1951.1	1971.0
30°	1801.8	1815.1	1854.9	1898.0	1921.3
32.5°	1735.4	1752.0	1798.5	1841.6	1864.9
35°	1669.1	1689.0	1732.1	1778.6	1808.5
37.5°	1602.7	1619.3	1665.8	1715.5	1745.4
40°	1533.0	1549.6	1599.4	1649.2	1682.4
42.5°	1456.7	1476.6	1526.4	1579.5	1606.0
45°	1383.7	1400.3	1450.1	1509.8	1536.4
47.5°	1304.1	1327.3	1373.8	1430.2	1460.0
50°	1227.8	1247.7	1297.4	1350.5	1373.8
52.5°	1148.1	1168.0	1214.5	1267.6	1294.1
55°	1068.5	1091.7	1134.8	1184.6	1211.2
57.5°	985.5	1008.8	1051.9	1095.0	1124.9
60°	905.9	929.1	968.9	1012.1	1038.6
62.5°	816.3	836.2	879.3	925.8	945.7
65°	736.7	753.2	789.7	829.6	849.5
67.5°	653.7	673.6	706.8	743.3	766.5
70°	570.7	594.0	620.5	653.7	680.2
72.5°	491.1	511.0	534.2	567.4	590.7
75°	411.5	431.4	451.3	481.1	504.4
77.5°	341.8	351.7	371.6	398.2	421.4
80°	265.5	278.7	295.3	321.9	338.5
82.5°	199.1	212.4	225.6	245.6	262.1
85°	142.7	152.6	165.9	182.5	192.5
87.5°	96.2	106.2	116.1	129.4	139.4
90°	66.4	76.3	83.0	92.9	99.5
92.5°	56.4	63.0	69.7	76.3	83.0
95°	49.8	56.4	63.0	69.7	76.3
97.5°	46.5	49.8	56.4	63.0	66.4
100°	43.1	46.5	49.8	56.4	59.7
102.5°	39.8	39.8	46.5	49.8	53.1
105°	36.5	36.5	39.8	43.1	46.5
107.5°	33.2	33.2	36.5	36.5	43.1
110°	29.9	26.5	29.9	29.9	36.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.5	23.2	26.5	26.5	29.9
115°	23.2	19.9	19.9	23.2	26.5
117.5°	19.9	16.6	16.6	16.6	23.2
120°	19.9	16.6	13.3	13.3	19.9
122.5°	16.6	13.3	10.0	13.3	16.6
125°	13.3	10.0	6.6	10.0	13.3
127.5°	10.0	10.0	3.3	6.6	10.0
130°	10.0	6.6	3.3	6.6	6.6
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)