

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: P384648

Luminaire Tested: **22ID-60-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-60-L840-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

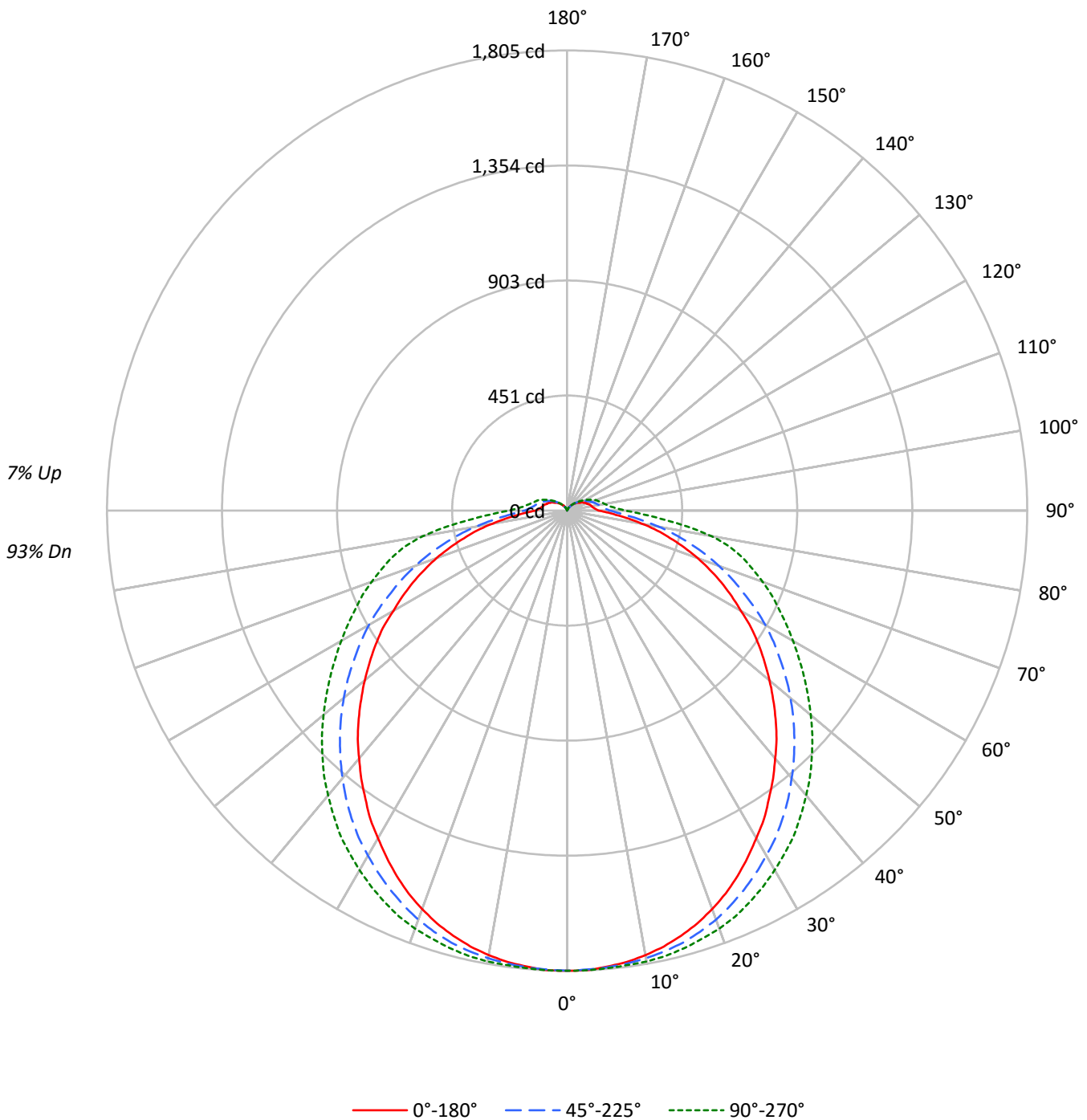
Lumens per Lamp: N/A
Luminaire Lumens: 6316.5 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 51.4
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4857	4857	4857
5°	4798	4785	4815
10°	4733	4725	4801
15°	4653	4667	4789
20°	4556	4594	4780
25°	4437	4502	4755
30°	4300	4405	4720
35°	4168	4309	4691
40°	4036	4192	4637
45°	3911	4075	4593
50°	3776	3954	4545
55°	3649	3823	4514
60°	3484	3699	4529
65°	3353	3520	4603
70°	3192	3353	4778
75°	2971	3118	5047
80°	2714	2828	5199
85°	2443	2480	4686



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	2.7
10°-20°	494.6	7.8
20°-30°	755.6	12.0
30°-40°	919.8	14.6
40°-50°	972.2	15.4
50°-60°	917.7	14.5
60°-70°	772.1	12.2
70°-80°	556.6	8.8
80°-90°	293.6	4.6
90°-100°	157.2	2.5
100°-110°	119.3	1.9
110°-120°	86.6	1.4
120°-130°	54.4	0.9
130°-140°	29.4	0.5
140°-150°	12.8	0.2
150°-160°	3.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1421.4	22.5
0°-40°	2341.2	37.1
0°-60°	4231.0	67.0
0°-90°	5853.3	92.7
90°-120°	363.1	5.7
90°-150°	459.7	7.3
90°-180°	463.0	7.3
0°-180°	6316.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1805	1805	1805	1805	1805	
5°	1796	1796	1799	1799	1802	171
15°	1726	1733	1755	1767	1777	487
25°	1581	1600	1641	1679	1695	728
35°	1380	1411	1474	1531	1553	864
45°	1156	1191	1260	1329	1358	892
55°	917	958	1021	1096	1134	819
65°	668	706	762	857	917	660
75°	419	454	498	595	712	445
85°	192	217	243	302	369	180
90°	123	145	167	198	227	70
95°	107	123	142	161	173	85
105°	91	101	113	126	132	95
115°	72	79	88	94	101	73
125°	54	54	63	63	66	48
135°	38	35	38	38	41	29
145°	22	19	19	19	22	14
155°	10	10	3	6	10	5
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°	1805.0	1805.0	1805.0	1805.0	1805.0
2.5°	1805.0	1801.9	1801.9	1801.9	1805.0
5°	1795.6	1795.6	1798.7	1798.7	1801.9
7.5°	1786.1	1786.1	1792.4	1795.6	1798.7
10°	1770.4	1773.5	1783.0	1789.3	1795.6
12.5°	1751.5	1754.6	1770.4	1783.0	1789.3
15°	1726.3	1732.6	1754.6	1767.2	1776.7
17.5°	1697.9	1707.4	1732.6	1751.5	1760.9
20°	1663.2	1675.8	1707.4	1732.6	1745.2
22.5°	1625.4	1638.0	1675.8	1707.4	1723.1
25°	1581.3	1600.2	1641.2	1679.0	1694.7
27.5°	1534.1	1556.1	1603.4	1647.5	1663.2
30°	1483.7	1508.9	1562.4	1609.7	1628.6
32.5°	1436.4	1461.6	1521.5	1571.9	1590.8
35°	1379.7	1411.2	1474.2	1530.9	1553.0
37.5°	1326.2	1357.7	1423.8	1483.7	1505.7
40°	1269.5	1301.0	1370.3	1436.4	1458.5
42.5°	1215.9	1247.4	1316.7	1386.0	1411.2
45°	1156.1	1190.7	1260.0	1329.3	1357.7
47.5°	1096.2	1130.9	1203.3	1275.8	1304.1
50°	1036.4	1074.2	1143.5	1215.9	1247.4
52.5°	976.5	1014.3	1083.6	1159.2	1190.7
55°	916.7	957.6	1020.6	1096.2	1134.0
57.5°	856.8	897.8	960.8	1039.5	1077.3
60°	787.5	834.8	897.8	979.7	1023.8
62.5°	727.7	768.6	831.6	916.7	970.2
65°	667.8	705.6	762.3	856.8	916.7
67.5°	604.8	645.8	699.3	787.5	869.4
70°	545.0	579.6	633.2	724.5	815.9
72.5°	482.0	516.6	567.0	661.5	762.3
75°	419.0	453.6	497.7	595.4	711.9
77.5°	362.3	390.6	431.6	526.1	652.1
80°	299.3	327.6	365.4	450.5	573.3
82.5°	242.6	267.8	299.3	374.9	472.5
85°	192.2	217.4	242.6	302.4	368.6
87.5°	154.4	173.3	198.5	242.6	286.7
90°	122.9	144.9	167.0	198.5	226.8
92.5°	113.4	132.3	151.2	176.4	195.3
95°	107.1	122.9	141.8	160.7	173.3
97.5°	100.8	116.6	132.3	151.2	160.7
100°	97.7	110.3	126.0	141.8	148.1
102.5°	94.5	104.0	119.7	132.3	141.8
105°	91.4	100.8	113.4	126.0	132.3
107.5°	85.1	94.5	107.1	119.7	126.0
110°	81.9	88.2	100.8	110.3	119.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	78.8	85.1	94.5	104.0	110.3
115°	72.5	78.8	88.2	94.5	100.8
117.5°	69.3	72.5	81.9	85.1	91.4
120°	63.0	66.2	75.6	78.8	81.9
122.5°	56.7	59.9	69.3	69.3	75.6
125°	53.6	53.6	63.0	63.0	66.2
127.5°	50.4	50.4	56.7	56.7	59.9
130°	44.1	44.1	50.4	50.4	50.4
132.5°	41.0	37.8	44.1	44.1	47.3
135°	37.8	34.7	37.8	37.8	41.0
137.5°	31.5	31.5	34.7	31.5	34.7
140°	28.4	25.2	28.4	28.4	31.5
142.5°	25.2	22.1	25.2	22.1	25.2
145°	22.1	18.9	18.9	18.9	22.1
147.5°	18.9	15.8	15.8	15.8	18.9
150°	15.8	12.6	12.6	12.6	15.8
152.5°	12.6	9.5	6.3	9.5	12.6
155°	9.5	9.5	3.2	6.3	9.5
157.5°	6.3	6.3	0.0	3.2	6.3
160°	3.2	3.2	0.0	3.2	3.2
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)