

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: P384699

Luminaire Tested: **24ID-60-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384699
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: 24ID-60-L835-CFD3
Description: 2X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

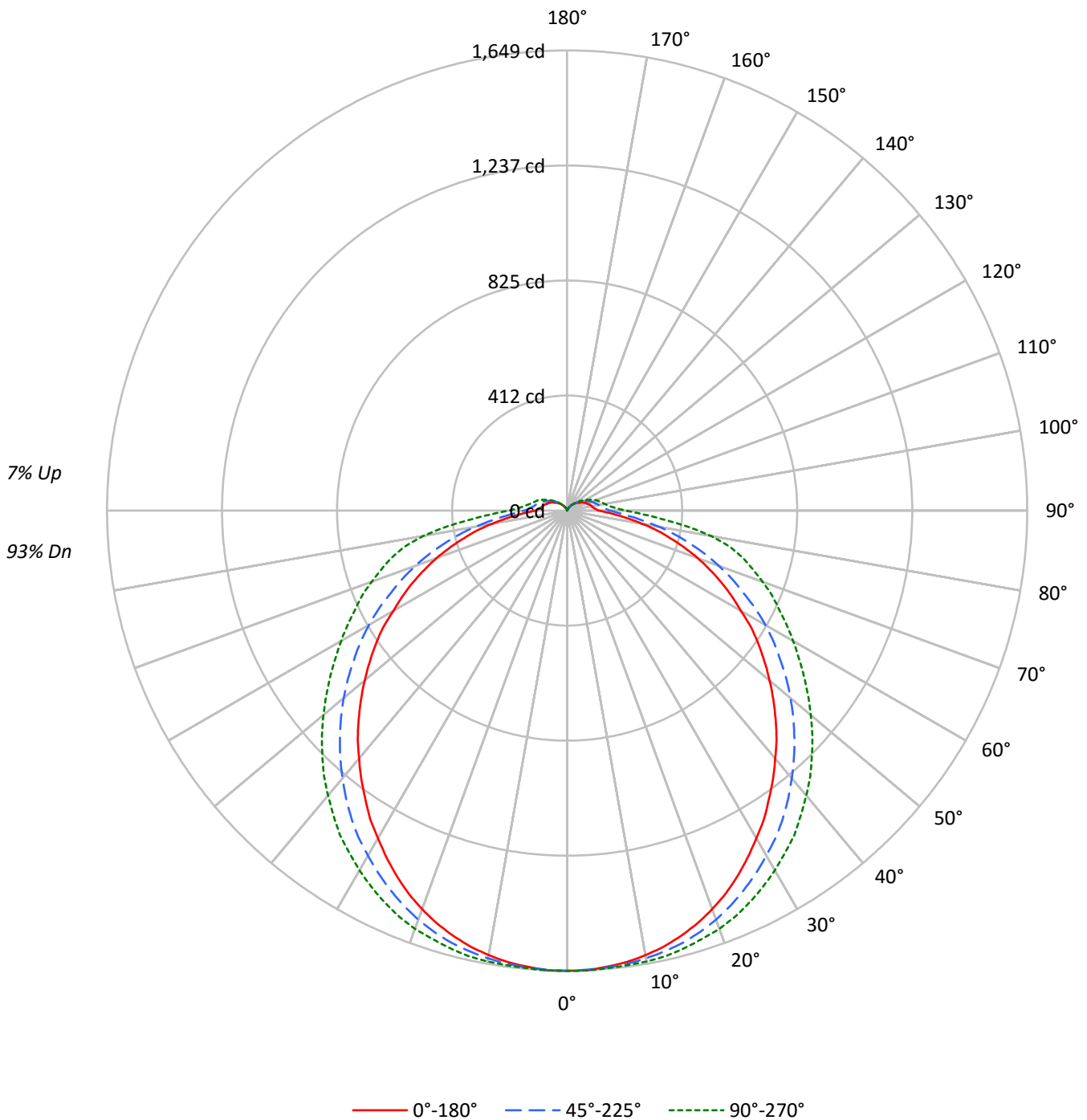
Lumens per Lamp: N/A
Luminaire Lumens: 5771.9 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 54.5
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°	2219	2219	2219
5°	2204	2194	2200
10°	2186	2175	2193
15°	2161	2157	2188
20°	2128	2131	2184
25°	2084	2097	2173
30°	2033	2061	2156
35°	1984	2025	2143
40°	1936	1979	2119
45°	1892	1934	2099
50°	1845	1889	2077
55°	1804	1839	2063
60°	1747	1795	2069
65°	1713	1727	2103
70°	1672	1668	2183
75°	1614	1582	2306
80°	1565	1477	2375
85°	1581	1360	2141



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	2.7
10°-20°	451.9	7.8
20°-30°	690.5	12.0
30°-40°	840.5	14.6
40°-50°	888.4	15.4
50°-60°	838.6	14.5
60°-70°	705.5	12.2
70°-80°	508.6	8.8
80°-90°	268.2	4.6
90°-100°	143.6	2.5
100°-110°	109.0	1.9
110°-120°	79.1	1.4
120°-130°	49.7	0.9
130°-140°	26.8	0.5
140°-150°	11.7	0.2
150°-160°	3.1	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1298.8	22.5
0°-40°	2139.3	37.1
0°-60°	3866.3	67.0
0°-90°	5348.7	92.7
90°-120°	331.7	5.7
90°-150°	419.9	7.3
90°-180°	423.0	7.3
0°-180°	5771.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1649	1649	1649	1649	1649	
5°	1641	1641	1644	1644	1646	156
15°	1577	1583	1603	1615	1624	445
25°	1445	1462	1500	1534	1549	665
35°	1261	1290	1347	1399	1419	790
45°	1056	1088	1151	1215	1241	815
55°	838	875	933	1002	1036	749
65°	610	645	697	783	838	603
75°	383	414	455	544	651	406
85°	176	199	222	276	337	164
90°	112	132	153	181	207	64
95°	98	112	130	147	158	78
105°	84	92	104	115	121	87
115°	66	72	81	86	92	67
125°	49	49	58	58	60	44
135°	34	32	34	34	37	26
145°	20	17	17	17	20	13
155°	9	9	3	6	9	4
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°	1649.4	1649.4	1649.4	1649.4	1649.4
2.5°	1649.4	1646.5	1646.5	1646.5	1649.4
5°	1640.8	1640.8	1643.6	1643.6	1646.5
7.5°	1632.1	1632.1	1637.9	1640.8	1643.6
10°	1617.7	1620.6	1629.3	1635.0	1640.8
12.5°	1600.5	1603.3	1617.7	1629.3	1635.0
15°	1577.4	1583.2	1603.3	1614.9	1623.5
17.5°	1551.5	1560.2	1583.2	1600.5	1609.1
20°	1519.9	1531.4	1560.2	1583.2	1594.7
22.5°	1485.3	1496.8	1531.4	1560.2	1574.6
25°	1445.0	1462.3	1499.7	1534.3	1548.7
27.5°	1401.8	1422.0	1465.2	1505.5	1519.9
30°	1355.8	1378.8	1427.8	1470.9	1488.2
32.5°	1312.6	1335.6	1390.3	1436.4	1453.7
35°	1260.8	1289.6	1347.2	1399.0	1419.1
37.5°	1211.9	1240.7	1301.1	1355.8	1375.9
40°	1160.1	1188.8	1252.2	1312.6	1332.8
42.5°	1111.1	1139.9	1203.2	1266.6	1289.6
45°	1056.4	1088.1	1151.4	1214.7	1240.7
47.5°	1001.7	1033.4	1099.6	1165.8	1191.7
50°	947.0	981.6	1044.9	1111.1	1139.9
52.5°	892.3	926.9	990.2	1059.3	1088.1
55°	837.7	875.1	932.6	1001.7	1036.3
57.5°	783.0	820.4	878.0	949.9	984.5
60°	719.6	762.8	820.4	895.2	935.5
62.5°	664.9	702.4	759.9	837.7	886.6
65°	610.3	644.8	696.6	783.0	837.7
67.5°	552.7	590.1	639.0	719.6	794.5
70°	498.0	529.7	578.6	662.1	745.5
72.5°	440.4	472.1	518.1	604.5	696.6
75°	382.8	414.5	454.8	544.0	650.6
77.5°	331.0	356.9	394.4	480.7	595.9
80°	273.5	299.4	333.9	411.6	523.9
82.5°	221.6	244.7	273.5	342.5	431.8
85°	175.6	198.6	221.6	276.3	336.8
87.5°	141.0	158.3	181.3	221.6	261.9
90°	112.3	132.4	152.6	181.3	207.3
92.5°	103.6	120.9	138.2	161.2	178.5
95°	97.9	112.3	129.5	146.8	158.3
97.5°	92.1	106.5	120.9	138.2	146.8
100°	89.2	100.7	115.1	129.5	135.3
102.5°	86.4	95.0	109.4	120.9	129.5
105°	83.5	92.1	103.6	115.1	120.9
107.5°	77.7	86.4	97.9	109.4	115.1
110°	74.8	80.6	92.1	100.7	109.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	72.0	77.7	86.4	95.0	100.7
115°	66.2	72.0	80.6	86.4	92.1
117.5°	63.3	66.2	74.8	77.7	83.5
120°	57.6	60.4	69.1	72.0	74.8
122.5°	51.8	54.7	63.3	63.3	69.1
125°	48.9	48.9	57.6	57.6	60.4
127.5°	46.1	46.1	51.8	51.8	54.7
130°	40.3	40.3	46.1	46.1	46.1
132.5°	37.4	34.5	40.3	40.3	43.2
135°	34.5	31.7	34.5	34.5	37.4
137.5°	28.8	28.8	31.7	28.8	31.7
140°	25.9	23.0	25.9	25.9	28.8
142.5°	23.0	20.1	23.0	20.1	23.0
145°	20.1	17.3	17.3	17.3	20.1
147.5°	17.3	14.4	14.4	14.4	17.3
150°	14.4	11.5	11.5	11.5	14.4
152.5°	11.5	8.6	5.8	8.6	11.5
155°	8.6	8.6	2.9	5.8	8.6
157.5°	5.8	5.8	0.0	2.9	5.8
160°	2.9	2.9	0.0	2.9	2.9
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)