

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: P384367

Luminaire Tested: **24ID-65-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-65-L835-CFD2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

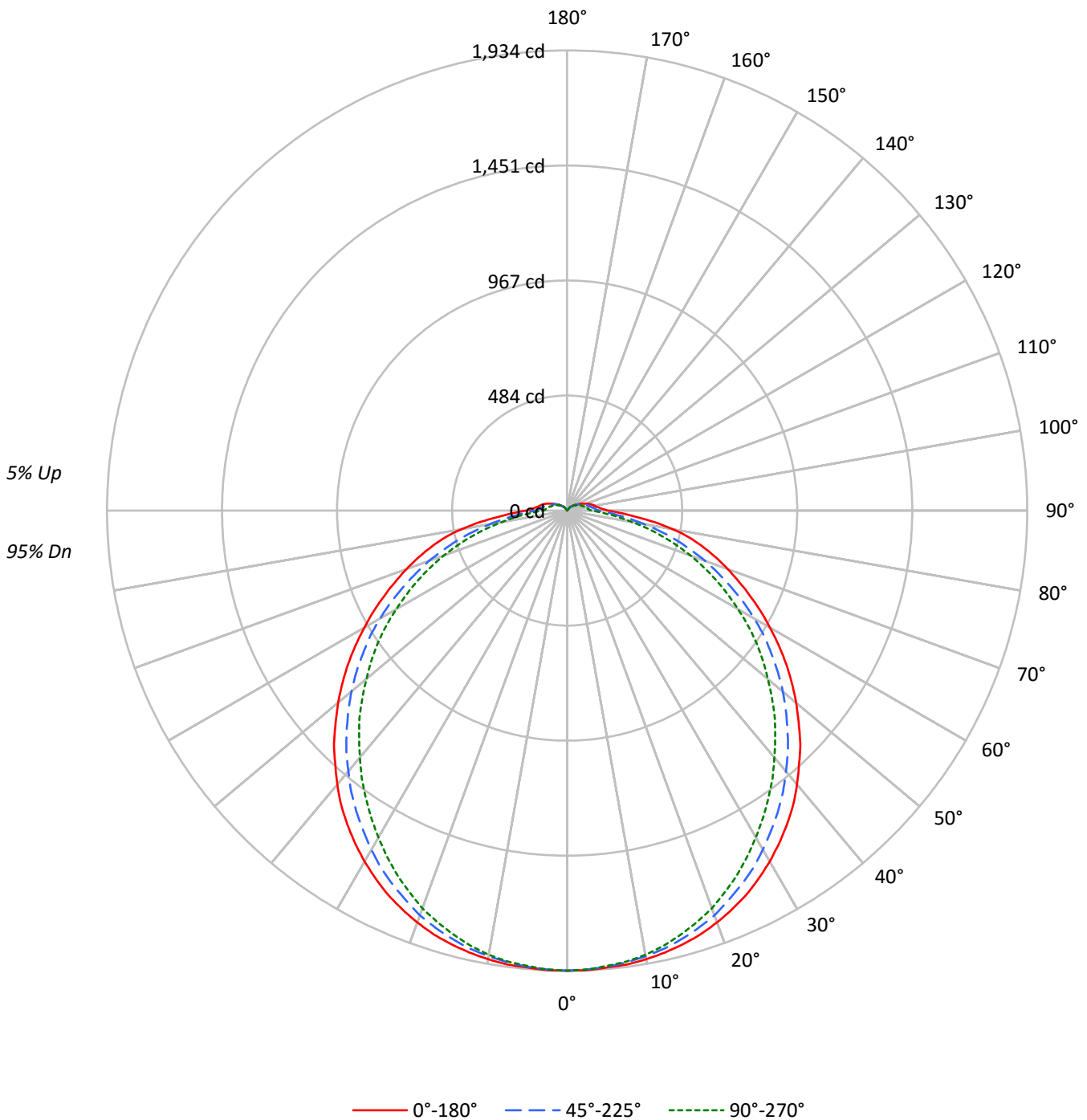
Lumens per Lamp: N/A
Luminaire Lumens: 6271.7 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 60.5
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2602	2602	2602
5°	2594	2579	2576
10°	2597	2559	2552
15°	2598	2537	2514
20°	2598	2511	2472
25°	2595	2473	2415
30°	2583	2433	2350
35°	2571	2389	2289
40°	2551	2339	2224
45°	2532	2291	2168
50°	2505	2241	2097
55°	2487	2182	2037
60°	2470	2120	1950
65°	2479	2033	1863
70°	2536	1953	1763
75°	2662	1844	1631
80°	2837	1699	1465
85°	2978	1604	1351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	2.9
10°-20°	526.3	8.4
20°-30°	799.3	12.7
30°-40°	965.5	15.4
40°-50°	1010.5	16.1
50°-60°	937.7	15.0
60°-70°	759.5	12.1
70°-80°	512.5	8.2
80°-90°	247.6	3.9
90°-100°	124.6	2.0
100°-110°	90.5	1.4
110°-120°	60.5	1.0
120°-130°	35.1	0.6
130°-140°	17.7	0.3
140°-150°	1.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1508.6	24.1
0°-40°	2474.1	39.4
0°-60°	4422.3	70.5
0°-90°	5941.9	94.7
90°-120°	275.6	4.4
90°-150°	329.8	5.3
90°-180°	330.0	5.3
0°-180°	6271.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1934	1934	1934	1934	1934	
5°	1927	1924	1924	1921	1921	184
15°	1886	1877	1864	1851	1845	533
25°	1782	1766	1734	1703	1690	821
35°	1611	1589	1544	1497	1475	1008
45°	1386	1361	1310	1256	1234	1068
55°	1124	1098	1048	997	972	1004
65°	848	816	760	718	690	842
75°	592	532	472	437	411	623
85°	285	247	209	190	171	269
90°	171	155	133	120	101	98
95°	136	127	114	101	89	107
105°	101	95	85	76	70	108
115°	70	63	63	54	54	69
125°	44	38	41	35	38	39
135°	25	22	22	22	25	20
145°	0	0	0	0	0	2
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°	1933.7	1933.7	1933.7	1933.7	1933.7
2.5°	1933.7	1930.5	1930.5	1930.5	1930.5
5°	1927.4	1924.2	1924.2	1921.0	1921.0
7.5°	1924.2	1917.9	1914.7	1911.5	1911.5
10°	1914.7	1908.4	1902.0	1895.7	1895.7
12.5°	1902.0	1895.7	1886.2	1873.6	1873.6
15°	1886.2	1876.7	1864.1	1851.4	1845.1
17.5°	1867.2	1857.7	1838.7	1819.8	1813.4
20°	1841.9	1829.2	1810.3	1784.9	1778.6
22.5°	1813.4	1800.8	1772.3	1747.0	1734.3
25°	1781.8	1765.9	1734.3	1702.7	1690.0
27.5°	1743.8	1728.0	1693.2	1655.2	1639.4
30°	1702.7	1683.7	1645.7	1604.5	1585.6
32.5°	1658.3	1636.2	1595.1	1550.7	1531.8
35°	1610.9	1588.7	1544.4	1496.9	1474.8
37.5°	1560.2	1538.1	1490.6	1440.0	1417.8
40°	1503.3	1481.1	1430.5	1379.8	1354.5
42.5°	1443.1	1424.2	1373.5	1319.7	1294.4
45°	1386.2	1360.9	1310.2	1256.4	1234.3
47.5°	1319.7	1300.7	1246.9	1193.1	1167.8
50°	1256.4	1234.3	1183.6	1129.8	1101.3
52.5°	1190.0	1171.0	1117.2	1063.4	1038.0
55°	1123.5	1098.2	1047.5	996.9	971.6
57.5°	1053.9	1031.7	981.1	933.6	902.0
60°	984.2	962.1	908.3	864.0	829.2
62.5°	917.8	892.5	835.5	788.0	759.5
65°	848.2	816.5	759.5	718.4	689.9
67.5°	781.7	743.7	686.8	648.8	620.3
70°	718.4	674.1	617.1	579.2	550.7
72.5°	655.1	601.3	541.2	506.4	481.0
75°	591.8	531.7	471.6	436.7	411.4
77.5°	528.5	458.9	398.8	370.3	345.0
80°	452.6	386.1	329.1	303.8	278.5
82.5°	367.1	313.3	265.8	240.5	221.5
85°	284.8	246.9	208.9	189.9	170.9
87.5°	221.5	193.1	164.6	148.7	132.9
90°	170.9	155.1	132.9	120.3	101.3
92.5°	148.7	136.1	120.3	107.6	91.8
95°	136.1	126.6	113.9	101.3	88.6
97.5°	123.4	117.1	104.4	94.9	82.3
100°	117.1	107.6	98.1	88.6	79.1
102.5°	110.8	101.3	91.8	82.3	76.0
105°	101.3	94.9	85.4	76.0	69.6
107.5°	94.9	85.4	79.1	69.6	66.5
110°	85.4	79.1	72.8	66.5	63.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	76.0	72.8	66.5	60.1	57.0
115°	69.6	63.3	63.3	53.8	53.8
117.5°	63.3	57.0	57.0	50.6	50.6
120°	53.8	50.6	50.6	44.3	44.3
122.5°	47.5	44.3	44.3	41.1	41.1
125°	44.3	38.0	41.1	34.8	38.0
127.5°	38.0	34.8	34.8	31.6	34.8
130°	31.6	28.5	28.5	28.5	31.6
132.5°	28.5	25.3	25.3	25.3	28.5
135°	25.3	22.2	22.2	22.2	25.3
137.5°	22.2	19.0	15.8	19.0	22.2
140°	19.0	15.8	12.7	15.8	19.0
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)