

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: P383979

Luminaire Tested: **22ID-65-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-65-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

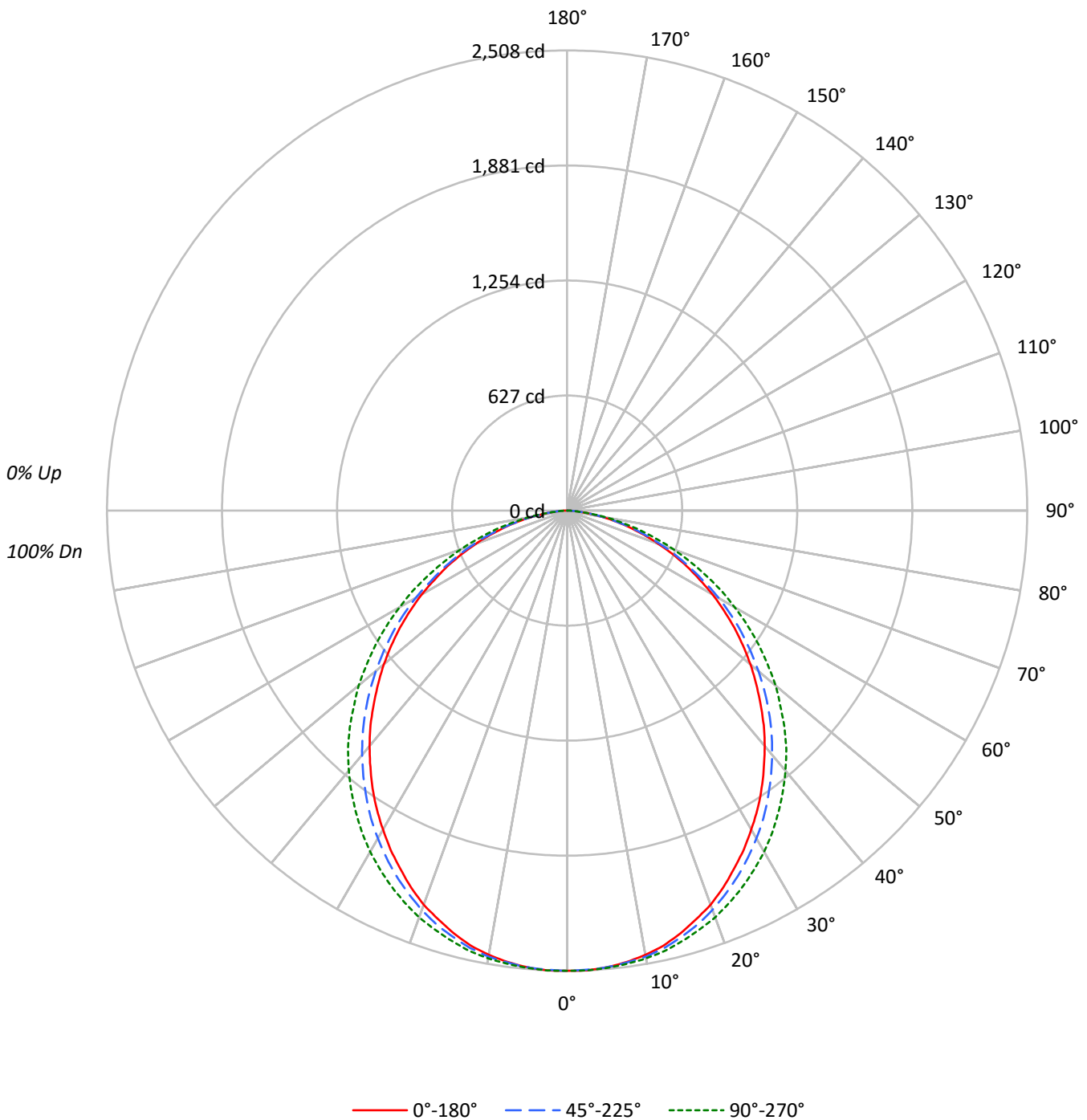
Lumens per Lamp: N/A
Luminaire Lumens: 6621.5 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6750	6750	6750
5°	6749	6749	6758
10°	6718	6745	6772
15°	6646	6701	6766
20°	6546	6632	6755
25°	6394	6531	6719
30°	6237	6412	6670
35°	6071	6267	6594
40°	5886	6107	6504
45°	5669	5922	6376
50°	5459	5695	6209
55°	5215	5448	5978
60°	4928	5142	5679
65°	4585	4732	5303
70°	4150	4307	4855
75°	3622	3760	4243
80°	2930	2982	3343
85°	1741	1945	1639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.5	3.6
10°-20°	678.7	10.2
20°-30°	1015.2	15.3
30°-40°	1199.5	18.1
40°-50°	1210.3	18.3
50°-60°	1051.1	15.9
60°-70°	753.7	11.4
70°-80°	392.6	5.9
80°-90°	82.9	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	1931.4	29.2
0°-40°	3130.8	47.3
0°-60°	5392.3	81.4
0°-90°	6621.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6621.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2508	2508	2508	2508	2508	
5°	2498	2495	2498	2498	2502	237
15°	2386	2389	2406	2422	2429	672
25°	2153	2167	2200	2243	2263	992
35°	1848	1861	1908	1978	2007	1155
45°	1490	1506	1556	1636	1676	1150
55°	1112	1121	1161	1238	1274	993
65°	720	717	743	800	833	712
75°	348	345	362	388	408	372
85°	56	63	63	56	53	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2508.3	2508.3	2508.3	2508.3	2508.3
2.5°	2508.3	2505.0	2505.0	2505.0	2508.3
5°	2498.4	2495.0	2498.4	2498.4	2501.7
7.5°	2481.8	2478.5	2485.1	2488.4	2491.7
10°	2458.5	2458.5	2468.5	2475.1	2478.5
12.5°	2428.7	2428.7	2442.0	2451.9	2458.5
15°	2385.6	2388.9	2405.5	2422.0	2428.7
17.5°	2335.8	2345.7	2365.6	2388.9	2395.5
20°	2286.0	2292.6	2315.9	2345.7	2359.0
22.5°	2223.0	2232.9	2259.5	2299.3	2312.6
25°	2153.3	2166.6	2199.7	2242.9	2262.8
27.5°	2083.6	2093.6	2133.4	2183.2	2206.4
30°	2007.3	2020.6	2063.7	2120.1	2146.7
32.5°	1931.0	1941.0	1990.7	2050.4	2080.3
35°	1848.1	1861.3	1907.8	1977.5	2007.3
37.5°	1761.8	1778.4	1824.8	1897.8	1931.0
40°	1675.5	1685.5	1738.6	1811.6	1851.4
42.5°	1585.9	1599.2	1649.0	1728.6	1768.4
45°	1489.7	1506.3	1556.1	1635.7	1675.5
47.5°	1396.8	1413.4	1459.9	1539.5	1576.0
50°	1303.9	1313.9	1360.3	1440.0	1483.1
52.5°	1207.7	1217.7	1260.8	1337.1	1376.9
55°	1111.5	1121.4	1161.3	1237.6	1274.1
57.5°	1012.0	1018.6	1058.4	1128.1	1164.6
60°	915.7	919.1	955.5	1018.6	1055.1
62.5°	812.9	816.2	842.7	915.7	948.9
65°	720.0	716.7	743.2	799.6	832.8
67.5°	623.8	623.8	647.0	696.8	723.3
70°	527.5	527.5	547.4	590.6	617.1
72.5°	438.0	438.0	454.5	487.7	507.6
75°	348.4	345.1	361.6	388.2	408.1
77.5°	265.4	265.4	272.1	295.3	308.6
80°	189.1	189.1	192.4	205.7	215.7
82.5°	119.4	119.4	119.4	126.1	129.4
85°	56.4	63.0	63.0	56.4	53.1
87.5°	26.5	26.5	23.2	23.2	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)