

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: P383983

Luminaire Tested: **22ID-70-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383983
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-70-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

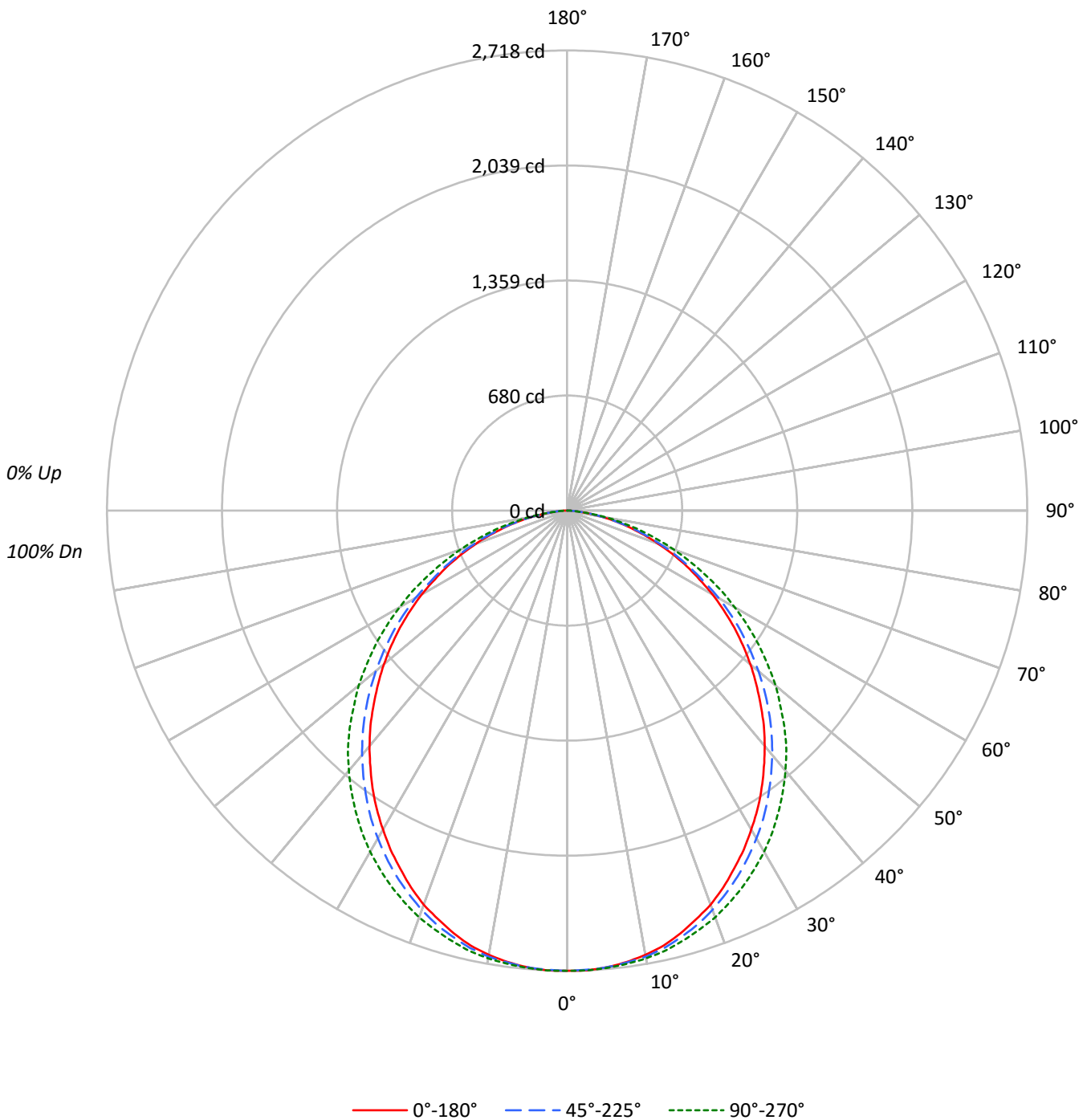
Lumens per Lamp: N/A
Luminaire Lumens: 7176.1 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 61.1
Input Voltage (V): NR
Input Current (Ain): 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°	7315	7315	7315
5°	7314	7314	7324
10°	7281	7310	7339
15°	7203	7263	7333
20°	7095	7187	7321
25°	6929	7078	7281
30°	6760	6950	7229
35°	6579	6792	7146
40°	6379	6619	7048
45°	6144	6418	6911
50°	5916	6172	6729
55°	5651	5904	6478
60°	5341	5574	6154
65°	4968	5129	5747
70°	4498	4668	5262
75°	3926	4075	4599
80°	3177	3233	3622
85°	1886	2109	1775



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	3.6
10°-20°	735.5	10.2
20°-30°	1100.3	15.3
30°-40°	1299.9	18.1
40°-50°	1311.7	18.3
50°-60°	1139.1	15.9
60°-70°	816.8	11.4
70°-80°	425.5	5.9
80°-90°	89.8	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°	2093.1	29.2
0°-40°	3393.1	47.3
0°-60°	5843.9	81.4
0°-90°	7176.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7176.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2718	2718	2718	2718	2718	
5°	2708	2704	2708	2708	2711	257
15°	2585	2589	2607	2625	2632	729
25°	2334	2348	2384	2431	2452	1075
35°	2003	2017	2068	2143	2175	1252
45°	1614	1632	1686	1773	1816	1247
55°	1205	1215	1258	1341	1381	1076
65°	780	777	806	867	902	771
75°	378	374	392	421	442	403
85°	61	68	68	61	58	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2718.4	2718.4	2718.4	2718.4	2718.4
2.5°	2718.4	2714.8	2714.8	2714.8	2718.4
5°	2707.6	2704.0	2707.6	2707.6	2711.2
7.5°	2689.6	2686.0	2693.2	2696.8	2700.4
10°	2664.5	2664.5	2675.3	2682.4	2686.0
12.5°	2632.1	2632.1	2646.5	2657.3	2664.5
15°	2585.4	2589.0	2606.9	2624.9	2632.1
17.5°	2531.4	2542.2	2563.8	2589.0	2596.1
20°	2477.5	2484.7	2509.8	2542.2	2556.6
22.5°	2409.2	2420.0	2448.7	2491.9	2506.3
25°	2333.7	2348.0	2384.0	2430.7	2452.3
27.5°	2258.1	2268.9	2312.1	2366.0	2391.2
30°	2175.4	2189.8	2236.6	2297.7	2326.5
32.5°	2092.7	2103.5	2157.5	2222.2	2254.5
35°	2002.8	2017.2	2067.6	2143.1	2175.4
37.5°	1909.4	1927.3	1977.7	2056.8	2092.7
40°	1815.9	1826.7	1884.2	1963.3	2006.4
42.5°	1718.8	1733.2	1787.1	1873.4	1916.5
45°	1614.5	1632.5	1686.4	1772.7	1815.9
47.5°	1513.8	1531.8	1582.1	1668.4	1708.0
50°	1413.1	1423.9	1474.3	1560.6	1607.3
52.5°	1308.9	1319.6	1366.4	1449.1	1492.2
55°	1204.6	1215.4	1258.5	1341.2	1380.8
57.5°	1096.7	1103.9	1147.1	1222.6	1262.1
60°	992.4	996.0	1035.6	1103.9	1143.5
62.5°	881.0	884.6	913.3	992.4	1028.4
65°	780.3	776.7	805.5	866.6	902.5
67.5°	676.0	676.0	701.2	755.1	783.9
70°	571.7	571.7	593.3	640.0	668.8
72.5°	474.6	474.6	492.6	528.6	550.2
75°	377.6	374.0	391.9	420.7	442.3
77.5°	287.7	287.7	294.9	320.0	334.4
80°	205.0	205.0	208.6	222.9	233.7
82.5°	129.4	129.4	129.4	136.6	140.2
85°	61.1	68.3	68.3	61.1	57.5
87.5°	28.8	28.8	25.2	25.2	25.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)