

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: P383819

Luminaire Tested: **22ID-75-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-75-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

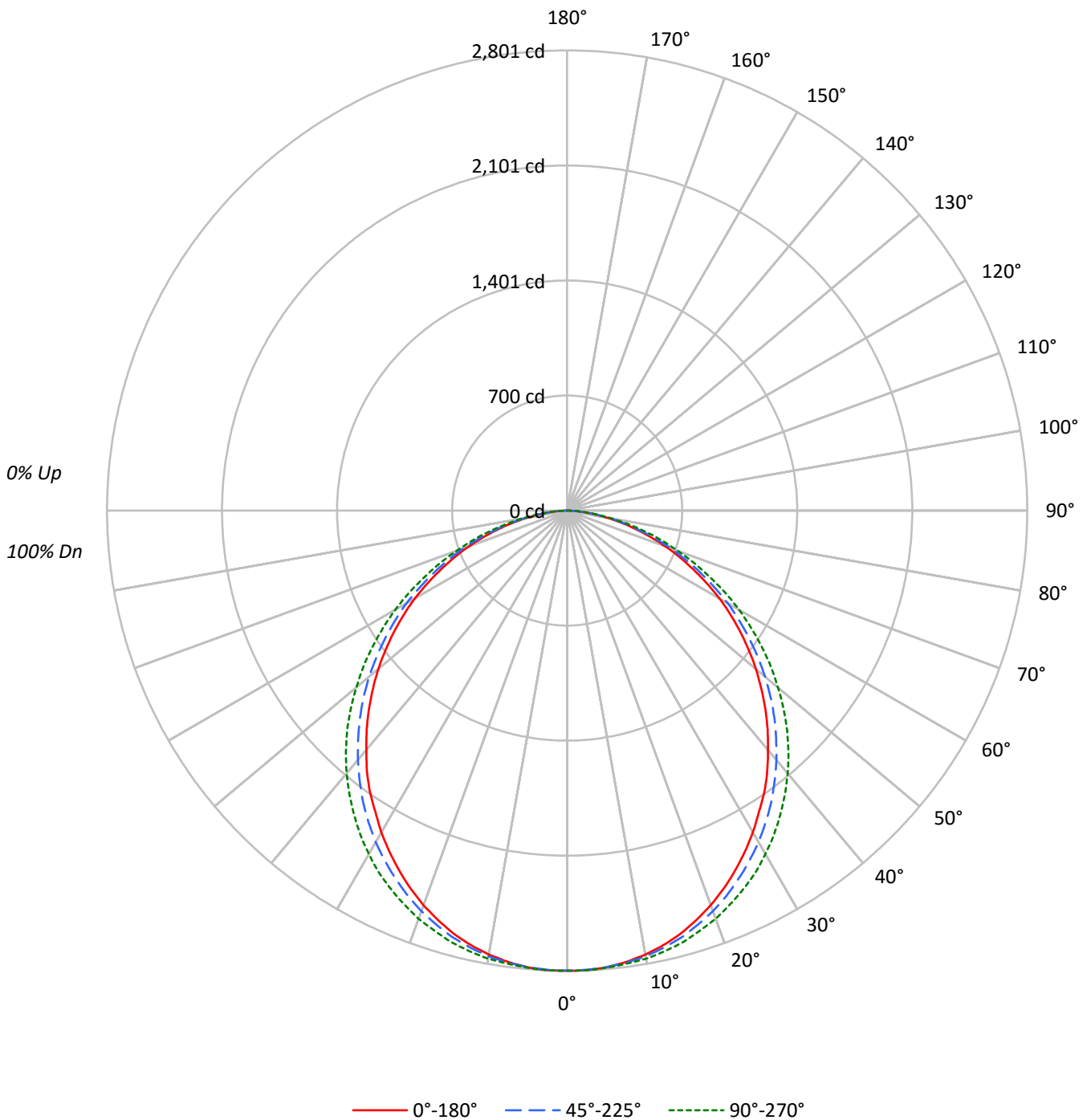
Lumens per Lamp: N/A
Luminaire Lumens: 7606.7 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 65.8
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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7537	7537	7537
5°	7535	7535	7545
10°	7497	7528	7570
15°	7430	7494	7579
20°	7320	7429	7572
25°	7180	7339	7544
30°	7026	7241	7502
35°	6876	7114	7429
40°	6680	6962	7339
45°	6494	6786	7208
50°	6279	6584	7016
55°	6031	6337	6785
60°	5766	6075	6507
65°	5384	5701	6091
70°	4998	5268	5629
75°	4455	4694	5093
80°	3736	3913	4269
85°	2834	2834	3189



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.1	3.5
10°-20°	758.5	10.0
20°-30°	1140.5	15.0
30°-40°	1356.7	17.8
40°-50°	1380.5	18.1
50°-60°	1214.9	16.0
60°-70°	891.2	11.7
70°-80°	483.7	6.4
80°-90°	115.4	1.5
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°	2164.1	28.4
0°-40°	3520.8	46.3
0°-60°	6116.3	80.4
0°-90°	7606.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7606.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2801	2801	2801	2801	2801	
5°	2789	2786	2789	2789	2793	265
15°	2667	2671	2690	2705	2720	751
25°	2418	2434	2472	2514	2541	1114
35°	2093	2108	2166	2231	2261	1307
45°	1706	1722	1783	1860	1894	1315
55°	1286	1305	1351	1416	1446	1150
65°	846	861	895	934	957	840
75°	428	436	452	474	490	455
85°	92	92	92	100	103	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2800.8	2800.8	2800.8	2800.8	2800.8
2.5°	2800.8	2797.0	2797.0	2797.0	2800.8
5°	2789.4	2785.5	2789.4	2789.4	2793.2
7.5°	2770.2	2766.4	2774.1	2777.9	2781.7
10°	2743.5	2743.5	2754.9	2762.6	2770.2
12.5°	2709.0	2712.8	2724.3	2735.8	2747.3
15°	2666.9	2670.8	2689.9	2705.2	2720.5
17.5°	2613.4	2621.0	2644.0	2666.9	2682.2
20°	2556.0	2567.4	2594.2	2624.8	2644.0
22.5°	2490.9	2506.2	2536.8	2575.1	2594.2
25°	2418.2	2433.5	2471.8	2513.9	2540.7
27.5°	2341.7	2360.8	2402.9	2452.7	2483.3
30°	2261.3	2280.5	2330.2	2383.8	2414.4
32.5°	2173.3	2196.3	2249.9	2311.1	2341.7
35°	2093.0	2108.3	2165.7	2230.7	2261.3
37.5°	2001.2	2020.3	2073.9	2142.7	2177.2
40°	1901.7	1920.8	1982.0	2050.9	2089.2
42.5°	1806.0	1821.3	1882.5	1959.1	1993.5
45°	1706.5	1721.8	1783.1	1859.6	1894.0
47.5°	1603.2	1622.4	1679.7	1752.4	1786.9
50°	1499.9	1515.2	1572.6	1641.5	1675.9
52.5°	1392.8	1408.1	1461.6	1530.5	1565.0
55°	1285.6	1304.8	1350.7	1415.7	1446.3
57.5°	1178.5	1197.6	1239.7	1300.9	1327.7
60°	1071.4	1086.7	1128.8	1182.3	1209.1
62.5°	956.6	968.1	1010.1	1063.7	1086.7
65°	845.6	860.9	895.4	933.6	956.6
67.5°	742.3	750.0	780.6	822.7	838.0
70°	635.2	642.8	669.6	704.0	715.5
72.5°	528.0	539.5	558.6	589.2	604.6
75°	428.5	436.2	451.5	474.5	489.8
77.5°	332.9	336.7	348.2	367.3	378.8
80°	241.1	244.9	252.5	267.8	275.5
82.5°	160.7	164.5	168.4	176.0	183.7
85°	91.8	91.8	91.8	99.5	103.3
87.5°	34.4	30.6	30.6	30.6	30.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)