

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: P383820

Luminaire Tested: **22ID-75-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383820
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-L840-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

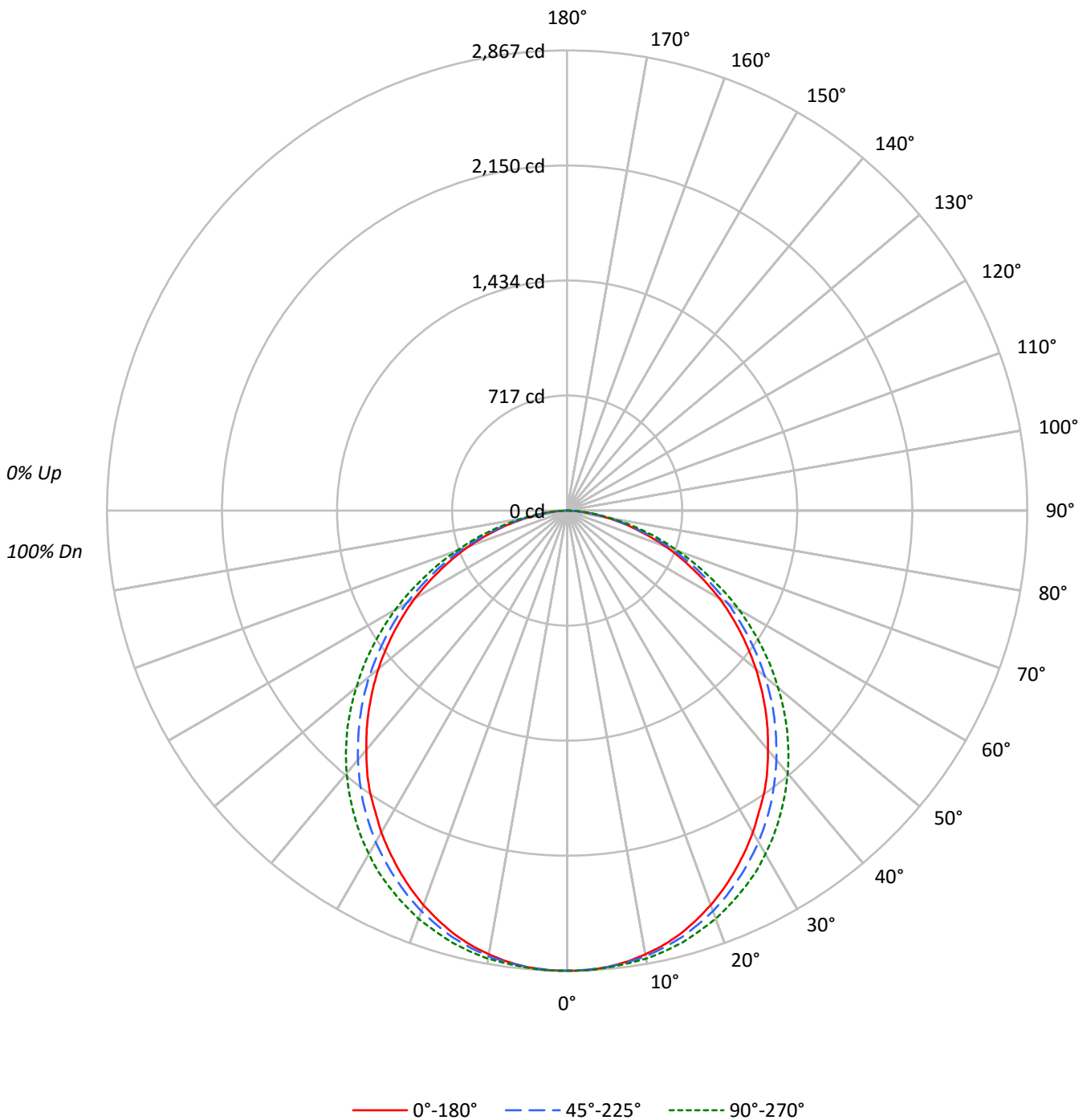
Lumens per Lamp: N/A
Luminaire Lumens: 7785.7 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 66.8
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°	7714	7714	7714
5°	7712	7712	7723
10°	7673	7705	7748
15°	7605	7670	7757
20°	7492	7604	7750
25°	7349	7512	7721
30°	7192	7411	7679
35°	7037	7282	7604
40°	6837	7126	7511
45°	6647	6945	7378
50°	6427	6738	7181
55°	6174	6486	6945
60°	5902	6218	6661
65°	5511	5835	6234
70°	5115	5393	5762
75°	4560	4805	5212
80°	3823	4006	4370
85°	2902	2902	3264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.3	3.5
10°-20°	776.4	10.0
20°-30°	1167.3	15.0
30°-40°	1388.7	17.8
40°-50°	1413.0	18.1
50°-60°	1243.5	16.0
60°-70°	912.2	11.7
70°-80°	495.1	6.4
80°-90°	118.1	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°	2215.0	28.4
0°-40°	3603.7	46.3
0°-60°	6260.2	80.4
0°-90°	7785.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7785.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2867	2867	2867	2867	2867	
5°	2855	2851	2855	2855	2859	271
15°	2730	2734	2753	2769	2784	769
25°	2475	2491	2530	2573	2600	1140
35°	2142	2158	2217	2283	2315	1338
45°	1747	1762	1825	1903	1939	1346
55°	1316	1336	1382	1449	1480	1177
65°	866	881	916	956	979	860
75°	439	446	462	486	501	466
85°	94	94	94	102	106	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2866.8	2866.8	2866.8	2866.8	2866.8
2.5°	2866.8	2862.8	2862.8	2862.8	2866.8
5°	2855.0	2851.1	2855.0	2855.0	2858.9
7.5°	2835.4	2831.5	2839.3	2843.3	2847.2
10°	2808.0	2808.0	2819.8	2827.6	2835.4
12.5°	2772.8	2776.7	2788.4	2800.2	2811.9
15°	2729.7	2733.6	2753.2	2768.9	2784.5
17.5°	2674.9	2682.7	2706.2	2729.7	2745.4
20°	2616.1	2627.9	2655.3	2686.6	2706.2
22.5°	2549.5	2565.2	2596.5	2635.7	2655.3
25°	2475.1	2490.8	2530.0	2573.0	2600.4
27.5°	2396.8	2416.4	2459.5	2510.4	2541.7
30°	2314.6	2334.1	2385.0	2439.9	2471.2
32.5°	2224.5	2248.0	2302.8	2365.5	2396.8
35°	2142.2	2157.9	2216.6	2283.2	2314.6
37.5°	2048.2	2067.8	2122.7	2193.1	2228.4
40°	1946.4	1966.0	2028.7	2099.2	2138.3
42.5°	1848.5	1864.2	1926.8	2005.2	2040.4
45°	1746.7	1762.4	1825.0	1903.3	1938.6
47.5°	1640.9	1660.5	1719.3	1793.7	1828.9
50°	1535.2	1550.9	1609.6	1680.1	1715.4
52.5°	1425.5	1441.2	1496.0	1566.5	1601.8
55°	1315.9	1335.5	1382.5	1449.0	1480.4
57.5°	1206.2	1225.8	1268.9	1331.6	1359.0
60°	1096.6	1112.2	1155.3	1210.1	1237.6
62.5°	979.1	990.8	1033.9	1088.7	1112.2
65°	865.5	881.2	916.4	955.6	979.1
67.5°	759.8	767.6	798.9	842.0	857.7
70°	650.1	657.9	685.4	720.6	732.4
72.5°	540.5	552.2	571.8	603.1	618.8
75°	438.6	446.5	462.1	485.6	501.3
77.5°	340.7	344.6	356.4	376.0	387.7
80°	246.7	250.6	258.5	274.1	282.0
82.5°	164.5	168.4	172.3	180.2	188.0
85°	94.0	94.0	94.0	101.8	105.7
87.5°	35.2	31.3	31.3	31.3	31.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)