

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: P383996

Luminaire Tested: **22ID-85-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383996
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-85-L840-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

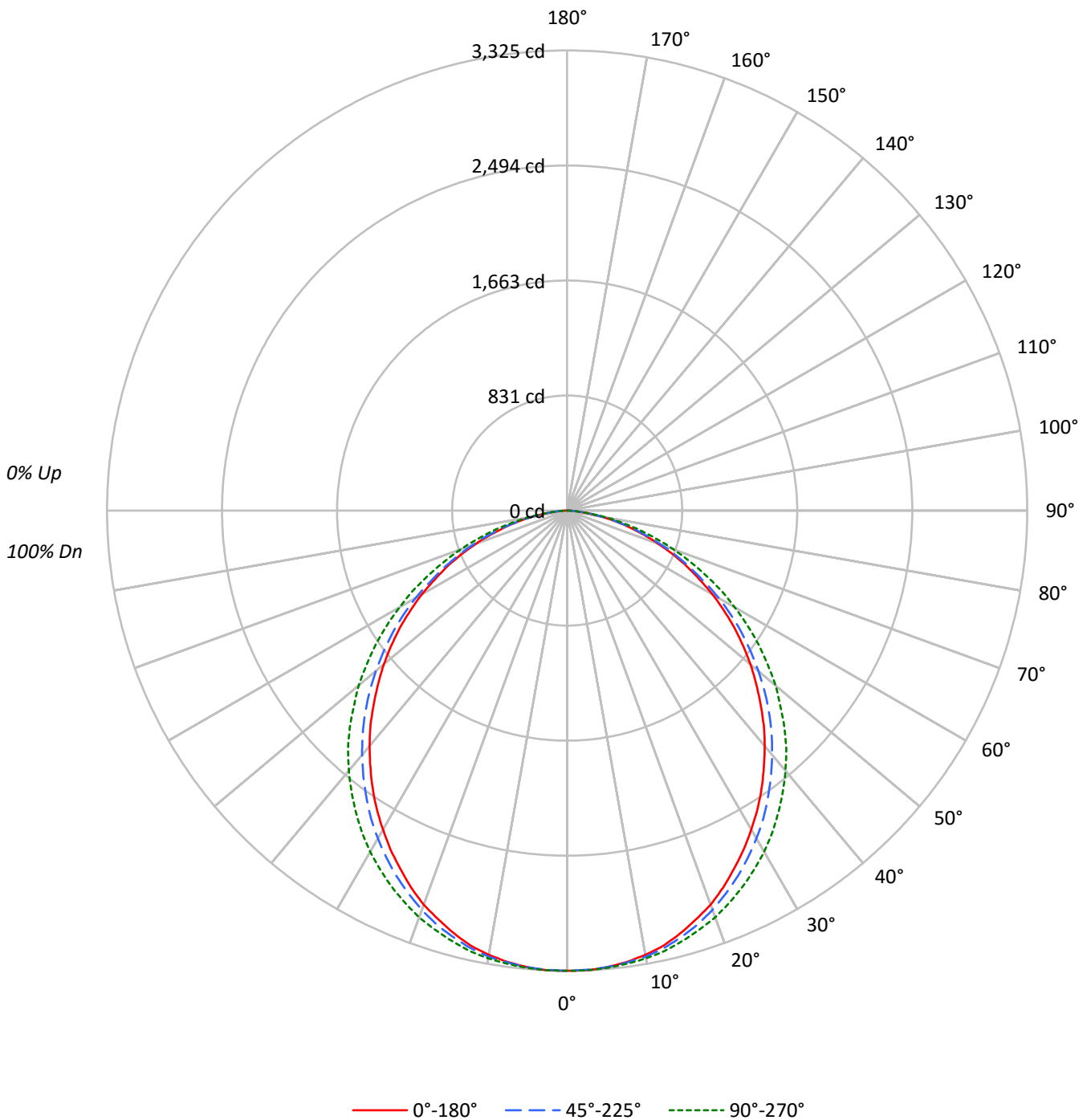
Lumens per Lamp: N/A
Luminaire Lumens: 8778.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 78.1
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°	8948	8948	8948
5°	8947	8947	8958
10°	8906	8942	8978
15°	8810	8884	8970
20°	8678	8792	8956
25°	8476	8659	8907
30°	8269	8501	8843
35°	8048	8308	8742
40°	7803	8096	8622
45°	7516	7851	8453
50°	7237	7550	8231
55°	6913	7223	7924
60°	6534	6818	7528
65°	6078	6274	7030
70°	5503	5710	6437
75°	4801	4984	5625
80°	3885	3953	4431
85°	2309	2581	2174



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.8	3.6
10°-20°	899.7	10.2
20°-30°	1345.9	15.3
30°-40°	1590.1	18.1
40°-50°	1604.5	18.3
50°-60°	1393.4	15.9
60°-70°	999.2	11.4
70°-80°	520.5	5.9
80°-90°	109.9	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°	2560.4	29.2
0°-40°	4150.5	47.3
0°-60°	7148.4	81.4
0°-90°	8778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3325	3325	3325	3325	3325	
5°	3312	3308	3312	3312	3316	314
15°	3162	3167	3189	3211	3220	891
25°	2855	2872	2916	2973	3000	1315
35°	2450	2468	2529	2622	2661	1532
45°	1975	1997	2063	2168	2221	1525
55°	1474	1487	1540	1641	1689	1316
65°	954	950	985	1060	1104	944
75°	462	457	479	515	541	493
85°	75	84	84	75	70	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3325.2	3325.2	3325.2	3325.2	3325.2
2.5°	3325.2	3320.8	3320.8	3320.8	3325.2
5°	3312.0	3307.6	3312.0	3312.0	3316.4
7.5°	3290.0	3285.6	3294.4	3298.8	3303.2
10°	3259.2	3259.2	3272.4	3281.2	3285.6
12.5°	3219.7	3219.7	3237.3	3250.4	3259.2
15°	3162.5	3166.9	3188.9	3210.9	3219.7
17.5°	3096.5	3109.7	3136.1	3166.9	3175.7
20°	3030.5	3039.3	3070.1	3109.7	3127.3
22.5°	2947.0	2960.2	2995.3	3048.1	3065.7
25°	2854.6	2872.2	2916.2	2973.3	2999.7
27.5°	2762.2	2775.4	2828.2	2894.2	2925.0
30°	2661.1	2678.7	2735.8	2810.6	2845.8
32.5°	2559.9	2573.1	2639.1	2718.2	2757.8
35°	2449.9	2467.5	2529.1	2621.5	2661.1
37.5°	2335.6	2357.6	2419.1	2515.9	2559.9
40°	2221.2	2234.4	2304.8	2401.5	2454.3
42.5°	2102.5	2120.0	2186.0	2291.6	2344.4
45°	1974.9	1996.9	2062.9	2168.4	2221.2
47.5°	1851.7	1873.7	1935.3	2040.9	2089.3
50°	1728.6	1741.8	1803.4	1908.9	1966.1
52.5°	1601.0	1614.2	1671.4	1772.6	1825.4
55°	1473.5	1486.7	1539.5	1640.6	1689.0
57.5°	1341.5	1350.3	1403.1	1495.5	1543.9
60°	1214.0	1218.4	1266.8	1350.3	1398.7
62.5°	1077.6	1082.0	1117.2	1214.0	1258.0
65°	954.5	950.1	985.3	1060.0	1104.0
67.5°	826.9	826.9	857.7	923.7	958.9
70°	699.4	699.4	725.7	782.9	818.1
72.5°	580.6	580.6	602.6	646.6	673.0
75°	461.8	457.4	479.4	514.6	541.0
77.5°	351.9	351.9	360.7	391.5	409.1
80°	250.7	250.7	255.1	272.7	285.9
82.5°	158.3	158.3	158.3	167.1	171.5
85°	74.8	83.6	83.6	74.8	70.4
87.5°	35.2	35.2	30.8	30.8	30.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)