

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: P383827

Luminaire Tested: **22ID-85-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383827
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-85-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

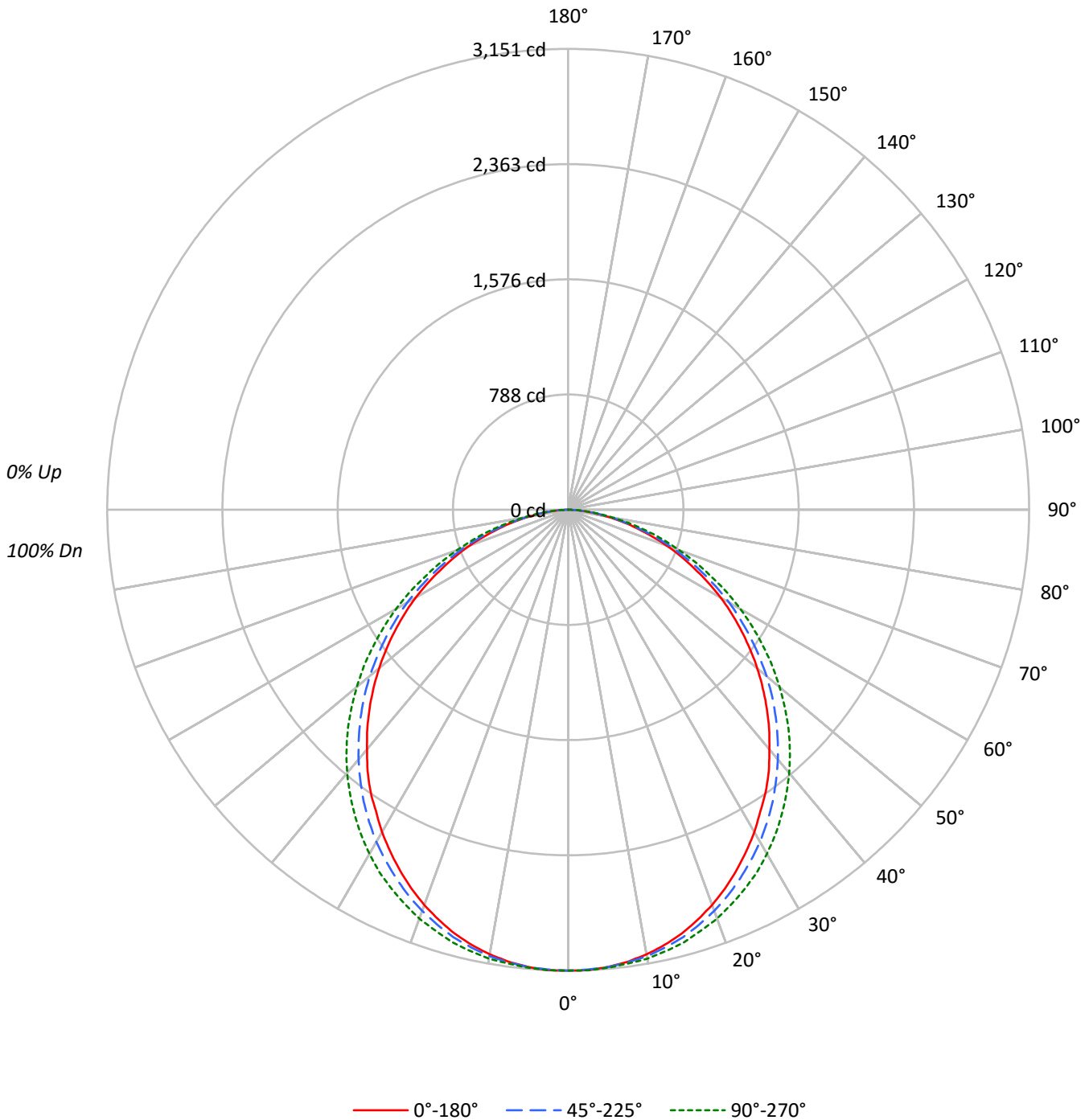
Lumens per Lamp: N/A
Luminaire Lumens: 8558.8 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 76.8
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°	8480	8480	8480
5°	8478	8478	8490
10°	8435	8470	8517
15°	8360	8432	8528
20°	8236	8359	8519
25°	8079	8258	8488
30°	7906	8147	8441
35°	7736	8005	8359
40°	7516	7834	8258
45°	7307	7635	8110
50°	7065	7407	7894
55°	6787	7130	7635
60°	6488	6835	7322
65°	6059	6415	6853
70°	5623	5928	6334
75°	5014	5282	5730
80°	4203	4403	4804
85°	3189	3189	3588



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.3	3.5
10°-20°	853.4	10.0
20°-30°	1283.2	15.0
30°-40°	1526.6	17.8
40°-50°	1553.3	18.1
50°-60°	1367.0	16.0
60°-70°	1002.8	11.7
70°-80°	544.3	6.4
80°-90°	129.9	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°	2435.0	28.4
0°-40°	3961.5	46.3
0°-60°	6881.8	80.4
0°-90°	8558.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8558.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3151	3151	3151	3151	3151	
5°	3138	3134	3138	3138	3143	298
15°	3001	3005	3027	3044	3061	845
25°	2721	2738	2781	2828	2859	1253
35°	2355	2372	2437	2510	2544	1470
45°	1920	1937	2006	2092	2131	1480
55°	1447	1468	1520	1593	1627	1294
65°	952	969	1007	1050	1076	946
75°	482	491	508	534	551	512
85°	103	103	103	112	116	125
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3151.4	3151.4	3151.4	3151.4	3151.4
2.5°	3151.4	3147.1	3147.1	3147.1	3151.4
5°	3138.5	3134.2	3138.5	3138.5	3142.8
7.5°	3117.0	3112.7	3121.3	3125.6	3129.9
10°	3086.8	3086.8	3099.8	3108.4	3117.0
12.5°	3048.1	3052.4	3065.3	3078.2	3091.1
15°	3000.7	3005.0	3026.6	3043.8	3061.0
17.5°	2940.5	2949.1	2974.9	3000.7	3018.0
20°	2875.9	2888.8	2918.9	2953.4	2974.9
22.5°	2802.7	2819.9	2854.4	2897.4	2918.9
25°	2720.9	2738.1	2781.2	2828.5	2858.7
27.5°	2634.8	2656.3	2703.7	2759.6	2794.1
30°	2544.4	2565.9	2621.9	2682.2	2716.6
32.5°	2445.4	2471.2	2531.5	2600.4	2634.8
35°	2355.0	2372.2	2436.8	2509.9	2544.4
37.5°	2251.6	2273.2	2333.4	2410.9	2449.7
40°	2139.7	2161.2	2230.1	2307.6	2350.7
42.5°	2032.1	2049.3	2118.2	2204.3	2243.0
45°	1920.1	1937.3	2006.2	2092.3	2131.1
47.5°	1803.9	1825.4	1890.0	1971.8	2010.5
50°	1687.6	1704.9	1769.4	1846.9	1885.7
52.5°	1567.1	1584.3	1644.6	1722.1	1760.8
55°	1446.6	1468.1	1519.7	1592.9	1627.4
57.5°	1326.0	1347.5	1394.9	1463.8	1493.9
60°	1205.5	1222.7	1270.0	1330.3	1360.4
62.5°	1076.3	1089.2	1136.6	1196.9	1222.7
65°	951.5	968.7	1007.4	1050.5	1076.3
67.5°	835.2	843.8	878.3	925.6	942.8
70°	714.7	723.3	753.4	792.2	805.1
72.5°	594.1	607.0	628.6	663.0	680.2
75°	482.2	490.8	508.0	533.8	551.1
77.5°	374.6	378.9	391.8	413.3	426.2
80°	271.2	275.5	284.1	301.4	310.0
82.5°	180.8	185.1	189.4	198.0	206.7
85°	103.3	103.3	103.3	111.9	116.2
87.5°	38.7	34.4	34.4	34.4	34.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)