

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: P383891

Luminaire Tested: **14ID-25-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383891
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: 14ID-25-L835-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

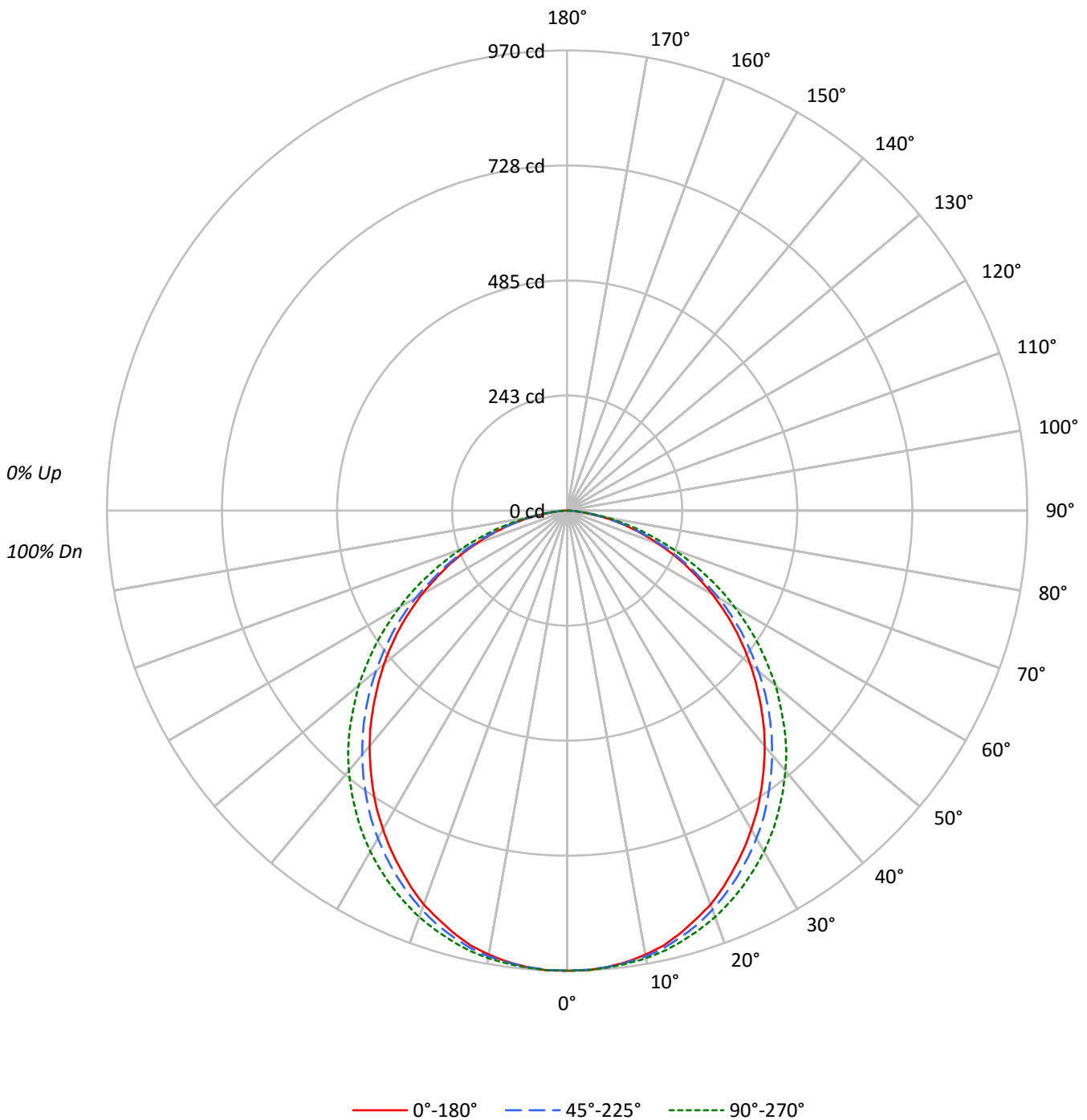
Lumens per Lamp: N/A
Luminaire Lumens: 2560.0 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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



TEST NUMBER: P383891
CATALOG NUMBER: 14ID-25-L835-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P383891

CATALOG NUMBER: 14ID-25-L835-CFR2

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	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					100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31					31			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2610	2610	2610
5°	2609	2609	2613
10°	2597	2608	2618
15°	2569	2591	2616
20°	2531	2564	2612
25°	2472	2525	2597
30°	2412	2479	2579
35°	2347	2423	2550
40°	2276	2361	2514
45°	2192	2289	2465
50°	2110	2202	2400
55°	2016	2107	2311
60°	1905	1988	2195
65°	1773	1829	2050
70°	1605	1666	1877
75°	1400	1454	1641
80°	1133	1153	1292
85°	673	753	633



TEST NUMBER: P383891

CATALOG NUMBER: 14ID-25-L835-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	3.6
10°-20°	262.4	10.2
20°-30°	392.5	15.3
30°-40°	463.7	18.1
40°-50°	467.9	18.3
50°-60°	406.4	15.9
60°-70°	291.4	11.4
70°-80°	151.8	5.9
80°-90°	32.1	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°	746.7	29.2
0°-40°	1210.4	47.3
0°-60°	2084.8	81.4
0°-90°	2560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	970	970	970	970	970	
5°	966	965	966	966	967	92
15°	922	924	930	936	939	260
25°	832	838	850	867	875	384
35°	714	720	738	764	776	447
45°	576	582	602	632	648	445
55°	430	434	449	478	493	384
65°	278	277	287	309	322	275
75°	135	133	140	150	158	144
85°	22	24	24	22	20	31
90°	0	0	0	0	0	



TEST NUMBER: P383891

CATALOG NUMBER: 14ID-25-L835-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	969.8	969.8	969.8	969.8	969.8
2.5°	969.8	968.5	968.5	968.5	969.8
5°	965.9	964.6	965.9	965.9	967.2
7.5°	959.5	958.2	960.8	962.1	963.3
10°	950.5	950.5	954.4	956.9	958.2
12.5°	939.0	939.0	944.1	948.0	950.5
15°	922.3	923.6	930.0	936.4	939.0
17.5°	903.1	906.9	914.6	923.6	926.1
20°	883.8	886.4	895.4	906.9	912.0
22.5°	859.4	863.3	873.6	888.9	894.1
25°	832.5	837.6	850.5	867.1	874.8
27.5°	805.6	809.4	824.8	844.1	853.0
30°	776.1	781.2	797.9	819.7	829.9
32.5°	746.6	750.4	769.7	792.7	804.3
35°	714.5	719.6	737.6	764.5	776.1
37.5°	681.1	687.6	705.5	733.7	746.6
40°	647.8	651.6	672.2	700.4	715.8
42.5°	613.2	618.3	637.5	668.3	683.7
45°	576.0	582.4	601.6	632.4	647.8
47.5°	540.0	546.5	564.4	595.2	609.3
50°	504.1	508.0	525.9	556.7	573.4
52.5°	466.9	470.8	487.4	516.9	532.3
55°	429.7	433.6	449.0	478.5	492.6
57.5°	391.2	393.8	409.2	436.1	450.2
60°	354.0	355.3	369.4	393.8	407.9
62.5°	314.3	315.6	325.8	354.0	366.9
65°	278.4	277.1	287.3	309.1	322.0
67.5°	241.2	241.2	250.1	269.4	279.6
70°	204.0	204.0	211.7	228.3	238.6
72.5°	169.3	169.3	175.7	188.6	196.3
75°	134.7	133.4	139.8	150.1	157.8
77.5°	102.6	102.6	105.2	114.2	119.3
80°	73.1	73.1	74.4	79.5	83.4
82.5°	46.2	46.2	46.2	48.7	50.0
85°	21.8	24.4	24.4	21.8	20.5
87.5°	10.3	10.3	9.0	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)