

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: P383779

Luminaire Tested: **22ID-25-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383779
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-25-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

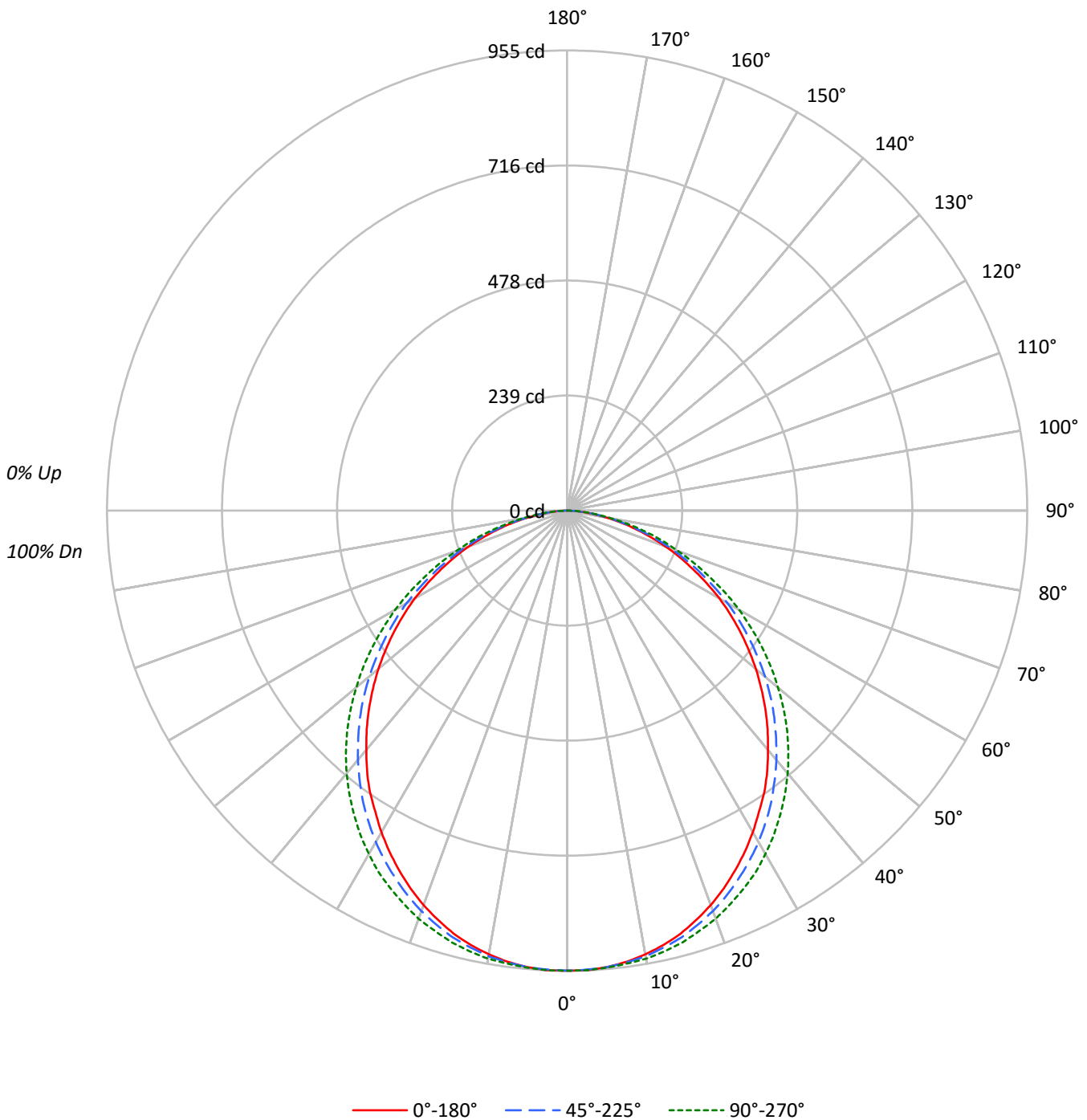
Lumens per Lamp: N/A
Luminaire Lumens: 2593.2 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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°	2569	2569	2569
5°	2569	2569	2572
10°	2556	2566	2581
15°	2533	2555	2584
20°	2495	2533	2581
25°	2448	2502	2572
30°	2395	2468	2558
35°	2344	2425	2532
40°	2277	2374	2502
45°	2214	2313	2457
50°	2141	2244	2392
55°	2056	2160	2313
60°	1965	2071	2218
65°	1836	1943	2076
70°	1703	1796	1919
75°	1519	1600	1736
80°	1274	1334	1455
85°	966	966	1087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.4	3.5
10°-20°	258.6	10.0
20°-30°	388.8	15.0
30°-40°	462.5	17.8
40°-50°	470.6	18.1
50°-60°	414.2	16.0
60°-70°	303.8	11.7
70°-80°	164.9	6.4
80°-90°	39.3	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°	737.8	28.4
0°-40°	1200.3	46.3
0°-60°	2085.1	80.4
0°-90°	2593.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2593.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	951	950	951	951	952	90
15°	909	910	917	922	927	256
25°	824	830	843	857	866	380
35°	714	719	738	760	771	446
45°	582	587	608	634	646	448
55°	438	445	460	483	493	392
65°	288	294	305	318	326	287
75°	146	149	154	162	167	155
85°	31	31	31	34	35	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.8	954.8	954.8	954.8	954.8
2.5°	954.8	953.5	953.5	953.5	954.8
5°	950.9	949.6	950.9	950.9	952.2
7.5°	944.4	943.1	945.7	947.0	948.3
10°	935.3	935.3	939.2	941.8	944.4
12.5°	923.5	924.8	928.7	932.7	936.6
15°	909.2	910.5	917.0	922.2	927.4
17.5°	890.9	893.5	901.4	909.2	914.4
20°	871.4	875.3	884.4	894.8	901.4
22.5°	849.2	854.4	864.8	877.9	884.4
25°	824.4	829.6	842.7	857.0	866.1
27.5°	798.3	804.8	819.2	836.1	846.6
30°	770.9	777.4	794.4	812.7	823.1
32.5°	740.9	748.7	767.0	787.9	798.3
35°	713.5	718.7	738.3	760.5	770.9
37.5°	682.2	688.7	707.0	730.5	742.2
40°	648.3	654.8	675.7	699.2	712.2
42.5°	615.7	620.9	641.8	667.9	679.6
45°	581.8	587.0	607.9	633.9	645.7
47.5°	546.6	553.1	572.6	597.4	609.2
50°	511.3	516.6	536.1	559.6	571.3
52.5°	474.8	480.0	498.3	521.8	533.5
55°	438.3	444.8	460.5	482.6	493.1
57.5°	401.8	408.3	422.6	443.5	452.6
60°	365.2	370.5	384.8	403.1	412.2
62.5°	326.1	330.0	344.4	362.6	370.5
65°	288.3	293.5	305.2	318.3	326.1
67.5°	253.1	255.7	266.1	280.5	285.7
70°	216.5	219.1	228.3	240.0	243.9
72.5°	180.0	183.9	190.4	200.9	206.1
75°	146.1	148.7	153.9	161.7	167.0
77.5°	113.5	114.8	118.7	125.2	129.1
80°	82.2	83.5	86.1	91.3	93.9
82.5°	54.8	56.1	57.4	60.0	62.6
85°	31.3	31.3	31.3	33.9	35.2
87.5°	11.7	10.4	10.4	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)