

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: P383946

Luminaire Tested: **22ID-25-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383946
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-25-L830-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

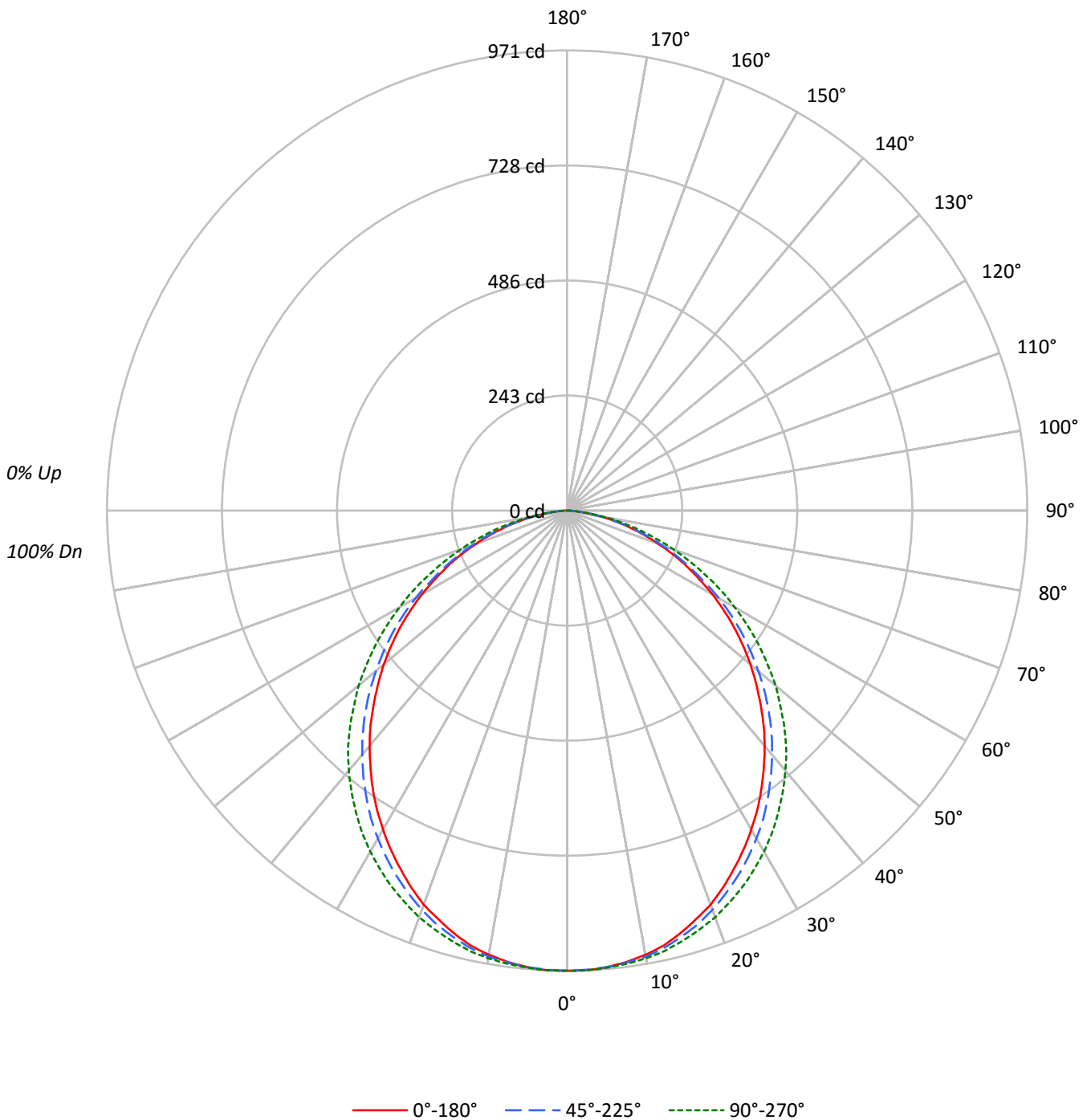
Lumens per Lamp: N/A
Luminaire Lumens: 2563.0 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2613	2613	2613
5°	2612	2612	2616
10°	2600	2611	2621
15°	2573	2594	2619
20°	2534	2567	2615
25°	2475	2528	2601
30°	2414	2482	2582
35°	2350	2426	2553
40°	2278	2364	2517
45°	2194	2292	2468
50°	2113	2204	2403
55°	2018	2109	2314
60°	1908	1991	2198
65°	1775	1832	2052
70°	1607	1667	1880
75°	1402	1456	1643
80°	1134	1155	1294
85°	673	753	633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	3.6
10°-20°	262.7	10.2
20°-30°	393.0	15.3
30°-40°	464.3	18.1
40°-50°	468.5	18.3
50°-60°	406.9	15.9
60°-70°	291.7	11.4
70°-80°	152.0	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°	747.6	29.2
0°-40°	1211.9	47.3
0°-60°	2087.2	81.4
0°-90°	2563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2563.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	971	971	971	971	971	
5°	967	966	967	967	968	92
15°	923	925	931	938	940	260
25°	834	839	852	868	876	384
35°	715	720	738	765	777	447
45°	577	583	602	633	648	445
55°	430	434	450	479	493	384
65°	279	277	288	310	322	276
75°	135	134	140	150	158	144
85°	22	24	24	22	20	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	970.9	970.9	970.9	970.9	970.9
2.5°	970.9	969.6	969.6	969.6	970.9
5°	967.0	965.8	967.0	967.0	968.3
7.5°	960.6	959.3	961.9	963.2	964.5
10°	951.6	951.6	955.5	958.1	959.3
12.5°	940.1	940.1	945.2	949.1	951.6
15°	923.4	924.7	931.1	937.5	940.1
17.5°	904.1	908.0	915.7	924.7	927.2
20°	884.9	887.4	896.4	908.0	913.1
22.5°	860.5	864.3	874.6	890.0	895.1
25°	833.5	838.6	851.5	868.2	875.9
27.5°	806.5	810.4	825.8	845.0	854.0
30°	777.0	782.1	798.8	820.6	830.9
32.5°	747.4	751.3	770.6	793.7	805.2
35°	715.3	720.5	738.4	765.4	777.0
37.5°	681.9	688.4	706.3	734.6	747.4
40°	648.5	652.4	673.0	701.2	716.6
42.5°	613.9	619.0	638.3	669.1	684.5
45°	576.6	583.1	602.3	633.1	648.5
47.5°	540.7	547.1	565.1	595.9	610.0
50°	504.7	508.6	526.5	557.4	574.1
52.5°	467.5	471.3	488.0	517.6	533.0
55°	430.2	434.1	449.5	479.0	493.2
57.5°	391.7	394.3	409.7	436.6	450.8
60°	354.5	355.7	369.9	394.3	408.4
62.5°	314.6	315.9	326.2	354.5	367.3
65°	278.7	277.4	287.7	309.5	322.3
67.5°	241.4	241.4	250.4	269.7	280.0
70°	204.2	204.2	211.9	228.6	238.9
72.5°	169.5	169.5	175.9	188.8	196.5
75°	134.8	133.6	140.0	150.3	158.0
77.5°	102.7	102.7	105.3	114.3	119.4
80°	73.2	73.2	74.5	79.6	83.5
82.5°	46.2	46.2	46.2	48.8	50.1
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)