

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: P383778

Luminaire Tested: **22ID-25-L830-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383778
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-L830-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2552.7 lumens
Efficiency: N/A
Efficacy: 123.9 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

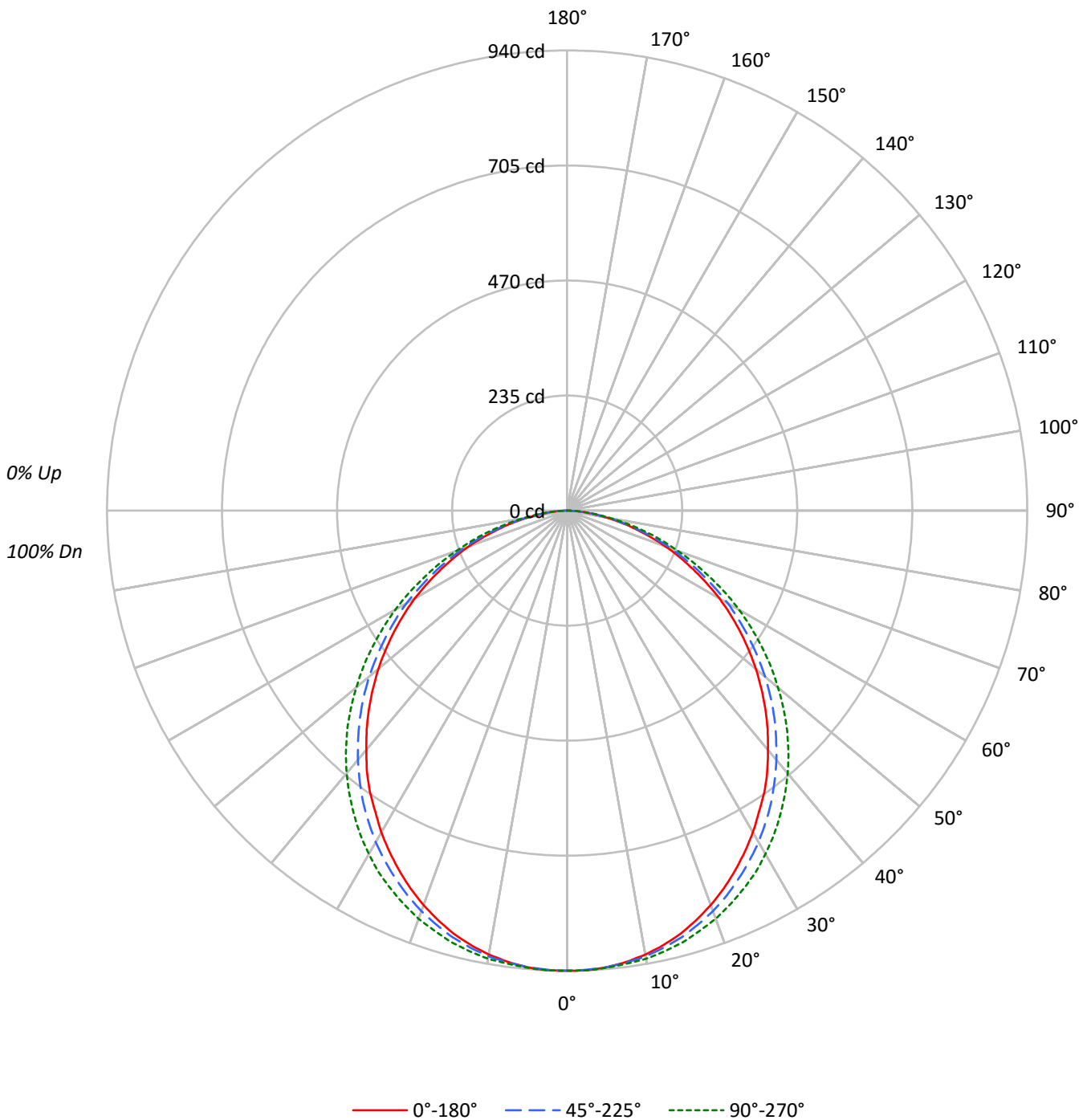
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2529	2529	2529
5°	2529	2529	2532
10°	2516	2526	2540
15°	2493	2515	2544
20°	2456	2493	2541
25°	2409	2463	2532
30°	2358	2430	2518
35°	2307	2388	2493
40°	2242	2336	2463
45°	2179	2277	2419
50°	2107	2209	2354
55°	2024	2127	2277
60°	1935	2039	2184
65°	1807	1913	2044
70°	1677	1768	1889
75°	1495	1575	1709
80°	1254	1313	1433
85°	951	951	1071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	3.5
10°-20°	254.5	10.0
20°-30°	382.7	15.0
30°-40°	455.3	17.8
40°-50°	463.3	18.1
50°-60°	407.7	16.0
60°-70°	299.1	11.7
70°-80°	162.3	6.4
80°-90°	38.7	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°	726.2	28.4
0°-40°	1181.6	46.3
0°-60°	2052.6	80.4
0°-90°	2552.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2552.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	936	935	936	936	937	89
15°	895	896	903	908	913	252
25°	812	817	830	844	853	374
35°	702	708	727	749	759	439
45°	573	578	598	624	636	441
55°	431	438	453	475	485	386
65°	284	289	300	313	321	282
75°	144	146	152	159	164	153
85°	31	31	31	33	35	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	939.9	939.9	939.9	939.9	939.9
2.5°	939.9	938.6	938.6	938.6	939.9
5°	936.1	934.8	936.1	936.1	937.4
7.5°	929.7	928.4	930.9	932.2	933.5
10°	920.7	920.7	924.5	927.1	929.7
12.5°	909.1	910.4	914.2	918.1	921.9
15°	895.0	896.3	902.7	907.8	913.0
17.5°	877.0	879.6	887.3	895.0	900.1
20°	857.7	861.6	870.6	880.9	887.3
22.5°	835.9	841.1	851.3	864.2	870.6
25°	811.5	816.7	829.5	843.6	852.6
27.5°	785.8	792.3	806.4	823.1	833.3
30°	758.9	765.3	782.0	800.0	810.2
32.5°	729.3	737.0	755.0	775.6	785.8
35°	702.4	707.5	726.8	748.6	758.9
37.5°	671.6	678.0	696.0	719.1	730.6
40°	638.2	644.6	665.1	688.3	701.1
42.5°	606.1	611.2	631.8	657.4	669.0
45°	572.7	577.8	598.4	624.0	635.6
47.5°	538.0	544.4	563.7	588.1	599.7
50°	503.3	508.5	527.7	550.9	562.4
52.5°	467.4	472.5	490.5	513.6	525.2
55°	431.4	437.9	453.3	475.1	485.4
57.5°	395.5	401.9	416.0	436.6	445.6
60°	359.5	364.7	378.8	396.8	405.8
62.5°	321.0	324.9	339.0	357.0	364.7
65°	283.8	288.9	300.5	313.3	321.0
67.5°	249.1	251.7	261.9	276.1	281.2
70°	213.2	215.7	224.7	236.3	240.1
72.5°	177.2	181.1	187.5	197.7	202.9
75°	143.8	146.4	151.5	159.2	164.4
77.5°	111.7	113.0	116.8	123.3	127.1
80°	80.9	82.2	84.7	89.9	92.5
82.5°	53.9	55.2	56.5	59.1	61.6
85°	30.8	30.8	30.8	33.4	34.7
87.5°	11.6	10.3	10.3	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)