

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: P383724

Luminaire Tested: **14ID-25-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383724
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: 14ID-25-L840-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

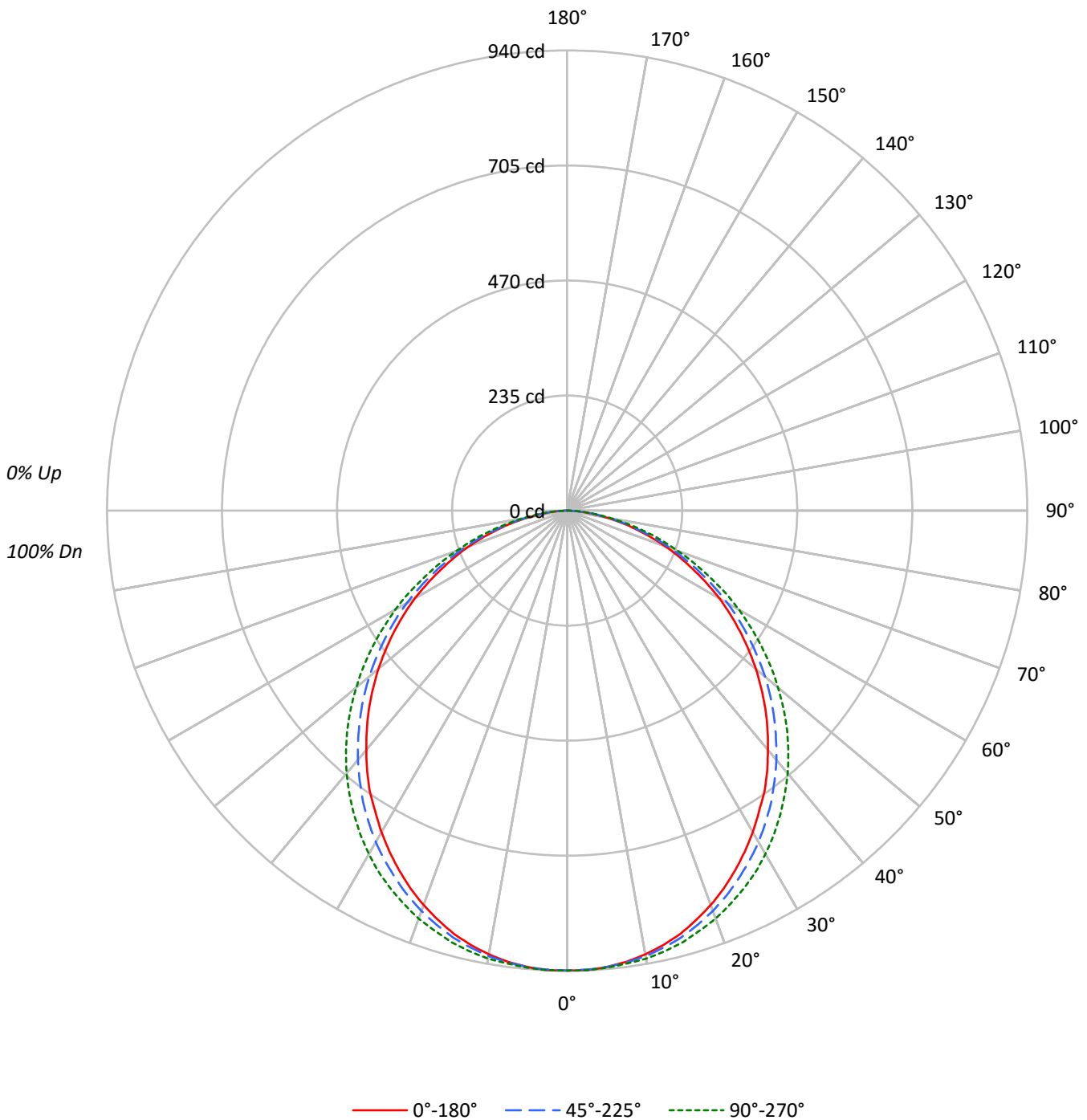
Lumens per Lamp: N/A
Luminaire Lumens: 2552.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 20.5
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°	2528	2528	2531
10°	2515	2526	2540
15°	2493	2514	2543
20°	2456	2492	2540
25°	2409	2462	2531
30°	2357	2429	2517
35°	2307	2387	2492
40°	2241	2336	2462
45°	2179	2277	2418
50°	2107	2209	2354
55°	2023	2126	2276
60°	1934	2038	2183
65°	1806	1913	2043
70°	1677	1767	1889
75°	1495	1575	1708
80°	1254	1313	1432
85°	951	951	1071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	3.5
10°-20°	254.5	10.0
20°-30°	382.6	15.0
30°-40°	455.2	17.8
40°-50°	463.2	18.1
50°-60°	407.6	16.0
60°-70°	299.0	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°	726.0	28.4
0°-40°	1181.2	46.3
0°-60°	2052.0	80.4
0°-90°	2552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2552.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	936	934	936	936	937	89
15°	895	896	902	908	913	252
25°	811	816	829	843	852	374
35°	702	707	727	748	759	438
45°	572	578	598	624	635	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°	939.7	939.7	939.7	939.7	939.7
2.5°	939.7	938.4	938.4	938.4	939.7
5°	935.8	934.5	935.8	935.8	937.1
7.5°	929.4	928.1	930.7	932.0	933.2
10°	920.4	920.4	924.3	926.8	929.4
12.5°	908.9	910.1	914.0	917.8	921.7
15°	894.7	896.0	902.4	907.6	912.7
17.5°	876.8	879.3	887.0	894.7	899.9
20°	857.5	861.4	870.3	880.6	887.0
22.5°	835.7	840.8	851.1	863.9	870.3
25°	811.3	816.4	829.3	843.4	852.4
27.5°	785.6	792.0	806.2	822.9	833.1
30°	758.7	765.1	781.8	799.7	810.0
32.5°	729.1	736.8	754.8	775.4	785.6
35°	702.2	707.3	726.6	748.4	758.7
37.5°	671.4	677.8	695.8	718.9	730.4
40°	638.0	644.4	665.0	688.1	700.9
42.5°	605.9	611.0	631.6	657.3	668.8
45°	572.5	577.7	598.2	623.9	635.4
47.5°	537.9	544.3	563.5	587.9	599.5
50°	503.2	508.3	527.6	550.7	562.3
52.5°	467.3	472.4	490.4	513.5	525.0
55°	431.3	437.7	453.1	475.0	485.2
57.5°	395.4	401.8	415.9	436.5	445.4
60°	359.4	364.6	378.7	396.7	405.6
62.5°	320.9	324.8	338.9	356.9	364.6
65°	283.7	288.8	300.4	313.2	320.9
67.5°	249.0	251.6	261.9	276.0	281.1
70°	213.1	215.7	224.6	236.2	240.1
72.5°	177.2	181.0	187.4	197.7	202.8
75°	143.8	146.3	151.5	159.2	164.3
77.5°	111.7	113.0	116.8	123.2	127.1
80°	80.9	82.2	84.7	89.9	92.4
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)