

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: P383948

Luminaire Tested: **22ID-25-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383948
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-L840-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

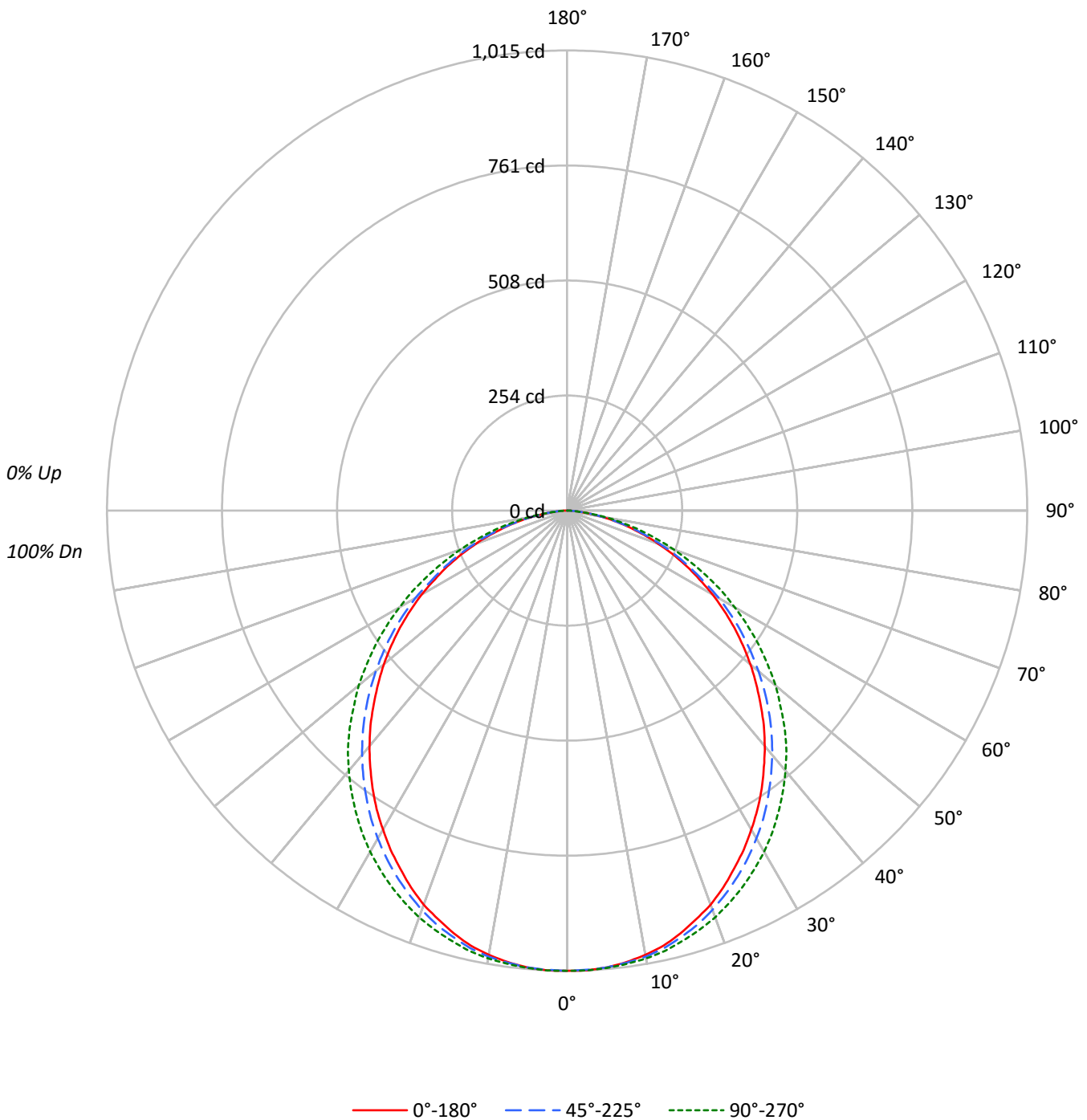
Lumens per Lamp: N/A
Luminaire Lumens: 2680.0 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.7
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



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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°	2732	2732	2732
5°	2732	2732	2735
10°	2719	2730	2741
15°	2690	2712	2739
20°	2649	2684	2734
25°	2588	2643	2719
30°	2524	2596	2700
35°	2457	2537	2669
40°	2382	2472	2632
45°	2295	2397	2581
50°	2210	2305	2513
55°	2111	2205	2419
60°	1995	2082	2298
65°	1855	1915	2146
70°	1680	1744	1965
75°	1466	1522	1718
80°	1185	1207	1353
85°	704	787	664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	3.6
10°-20°	274.7	10.2
20°-30°	410.9	15.3
30°-40°	485.5	18.1
40°-50°	489.9	18.3
50°-60°	425.4	15.9
60°-70°	305.1	11.4
70°-80°	158.9	5.9
80°-90°	33.5	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°	781.7	29.2
0°-40°	1267.2	47.3
0°-60°	2182.5	81.4
0°-90°	2680.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2680.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1015	1015	1015	1015	1015	
5°	1011	1010	1011	1011	1012	96
15°	966	967	974	980	983	272
25°	872	877	890	908	916	402
35°	748	753	772	800	812	468
45°	603	610	630	662	678	466
55°	450	454	470	501	516	402
65°	291	290	301	324	337	288
75°	141	140	146	157	165	150
85°	23	26	26	23	22	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1015.2	1015.2	1015.2	1015.2	1015.2
2.5°	1015.2	1013.9	1013.9	1013.9	1015.2
5°	1011.2	1009.8	1011.2	1011.2	1012.5
7.5°	1004.5	1003.1	1005.8	1007.2	1008.5
10°	995.1	995.1	999.1	1001.8	1003.1
12.5°	983.0	983.0	988.4	992.4	995.1
15°	965.5	966.9	973.6	980.3	983.0
17.5°	945.4	949.4	957.5	966.9	969.6
20°	925.2	927.9	937.3	949.4	954.8
22.5°	899.7	903.8	914.5	930.6	936.0
25°	871.5	876.9	890.3	907.8	915.8
27.5°	843.3	847.4	863.5	883.6	893.0
30°	812.4	817.8	835.3	858.1	868.8
32.5°	781.6	785.6	805.7	829.9	842.0
35°	748.0	753.4	772.2	800.4	812.4
37.5°	713.1	719.8	738.6	768.1	781.6
40°	678.2	682.2	703.7	733.2	749.3
42.5°	641.9	647.3	667.4	699.6	715.8
45°	603.0	609.7	629.8	662.0	678.2
47.5°	565.4	572.1	590.9	623.1	637.9
50°	527.8	531.8	550.6	582.8	600.3
52.5°	488.8	492.8	510.3	541.2	557.3
55°	449.9	453.9	470.0	500.9	515.7
57.5°	409.6	412.3	428.4	456.6	471.4
60°	370.6	372.0	386.8	412.3	427.0
62.5°	329.0	330.3	341.1	370.6	384.1
65°	291.4	290.1	300.8	323.6	337.1
67.5°	252.5	252.5	261.9	282.0	292.7
70°	213.5	213.5	221.6	239.0	249.8
72.5°	177.3	177.3	184.0	197.4	205.5
75°	141.0	139.7	146.4	157.1	165.2
77.5°	107.4	107.4	110.1	119.5	124.9
80°	76.5	76.5	77.9	83.3	87.3
82.5°	48.3	48.3	48.3	51.0	52.4
85°	22.8	25.5	25.5	22.8	21.5
87.5°	10.7	10.7	9.4	9.4	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)