

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: P383893

Luminaire Tested: **14ID-25-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383893
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: 14ID-25-L850-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

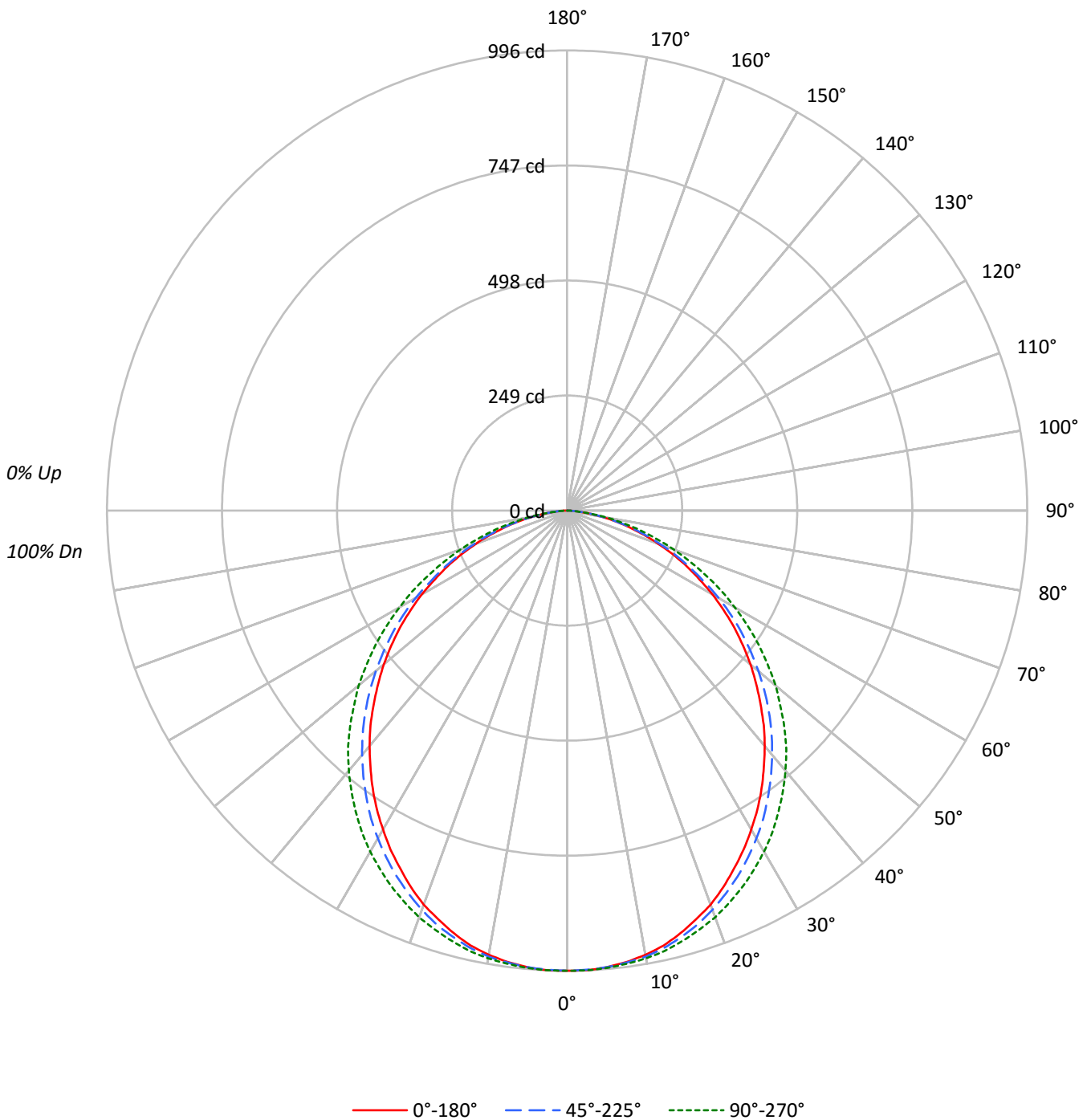
Lumens per Lamp: N/A
Luminaire Lumens: 2629.3 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 20.5
Input Voltage (V): NR
Input Current (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°	2680	2680	2680
5°	2680	2680	2683
10°	2668	2678	2689
15°	2639	2661	2687
20°	2599	2633	2682
25°	2539	2594	2668
30°	2477	2546	2649
35°	2411	2488	2619
40°	2337	2425	2583
45°	2251	2351	2532
50°	2168	2262	2465
55°	2071	2163	2373
60°	1957	2042	2255
65°	1820	1879	2106
70°	1648	1710	1928
75°	1438	1493	1684
80°	1164	1184	1327
85°	692	772	651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	3.6
10°-20°	269.5	10.3
20°-30°	403.1	15.3
30°-40°	476.3	18.1
40°-50°	480.6	18.3
50°-60°	417.4	15.9
60°-70°	299.3	11.4
70°-80°	155.9	5.9
80°-90°	32.9	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°	766.9	29.2
0°-40°	1243.2	47.3
0°-60°	2141.2	81.4
0°-90°	2629.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2629.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	992	991	992	992	993	94
15°	947	949	955	962	964	267
25°	855	860	874	891	898	394
35°	734	739	758	785	797	459
45°	592	598	618	650	665	457
55°	441	445	461	491	506	394
65°	286	285	295	318	331	283
75°	138	137	144	154	162	148
85°	22	25	25	22	21	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.0	996.0	996.0	996.0	996.0
2.5°	996.0	994.7	994.7	994.7	996.0
5°	992.1	990.7	992.1	992.1	993.4
7.5°	985.5	984.2	986.8	988.1	989.4
10°	976.3	976.3	980.2	982.8	984.2
12.5°	964.4	964.4	969.7	973.6	976.3
15°	947.3	948.6	955.2	961.8	964.4
17.5°	927.5	931.5	939.4	948.6	951.2
20°	907.7	910.4	919.6	931.5	936.7
22.5°	882.7	886.7	897.2	913.0	918.3
25°	855.0	860.3	873.5	890.6	898.5
27.5°	827.4	831.3	847.1	866.9	876.1
30°	797.1	802.3	819.5	841.9	852.4
32.5°	766.8	770.7	790.5	814.2	826.1
35°	733.8	739.1	757.5	785.2	797.1
37.5°	699.6	706.2	724.6	753.6	766.8
40°	665.3	669.3	690.4	719.3	735.2
42.5°	629.8	635.0	654.8	686.4	702.2
45°	591.5	598.1	617.9	649.5	665.3
47.5°	554.7	561.2	579.7	611.3	625.8
50°	517.8	521.7	540.2	571.8	588.9
52.5°	479.6	483.5	500.6	530.9	546.8
55°	441.4	445.3	461.1	491.4	505.9
57.5°	401.8	404.5	420.3	447.9	462.4
60°	363.6	364.9	379.4	404.5	419.0
62.5°	322.8	324.1	334.6	363.6	376.8
65°	285.9	284.6	295.1	317.5	330.7
67.5°	247.7	247.7	256.9	276.7	287.2
70°	209.5	209.5	217.4	234.5	245.1
72.5°	173.9	173.9	180.5	193.7	201.6
75°	138.3	137.0	143.6	154.1	162.0
77.5°	105.4	105.4	108.0	117.3	122.5
80°	75.1	75.1	76.4	81.7	85.6
82.5°	47.4	47.4	47.4	50.1	51.4
85°	22.4	25.0	25.0	22.4	21.1
87.5°	10.5	10.5	9.2	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)