

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: P385171

Luminaire Tested: **22ID-85-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-85-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

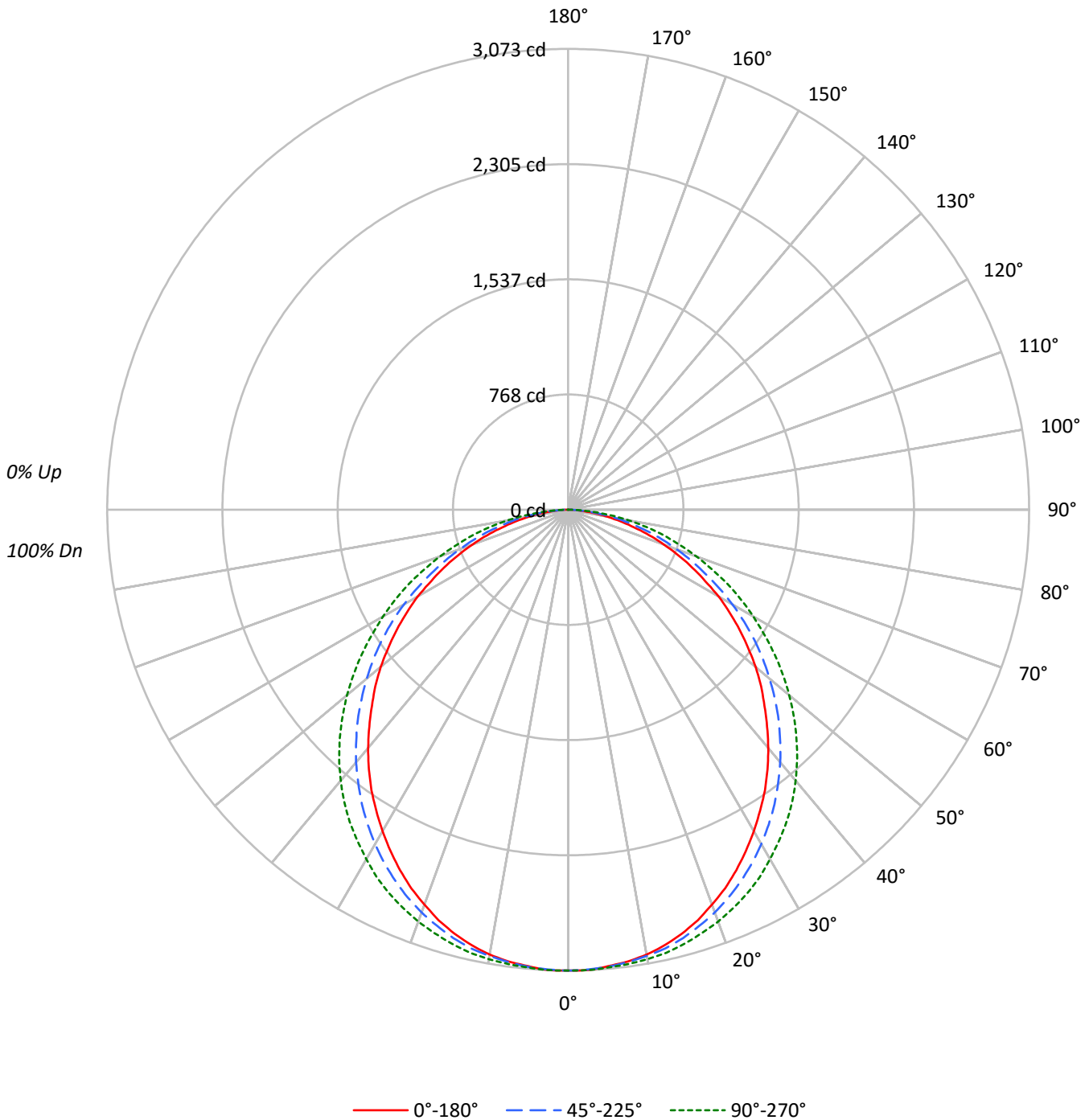
Lumens per Lamp: N/A
Luminaire Lumens: 8533.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 76.8
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	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8270	8270	8270
5°	8255	8267	8279
10°	8233	8256	8316
15°	8154	8238	8346
20°	8024	8185	8369
25°	7873	8103	8384
30°	7691	7998	8359
35°	7508	7876	8343
40°	7288	7726	8286
45°	7044	7551	8190
50°	6829	7334	8055
55°	6543	7108	7876
60°	6232	6811	7668
65°	5810	6413	7455
70°	5351	6028	7146
75°	4744	5594	6848
80°	4003	5002	6337
85°	2924	3853	5051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.9	3.4
10°-20°	834.6	9.8
20°-30°	1258.7	14.8
30°-40°	1502.8	17.6
40°-50°	1535.9	18.0
50°-60°	1361.9	16.0
60°-70°	1015.2	11.9
70°-80°	580.0	6.8
80°-90°	153.0	1.8
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°	2384.3	27.9
0°-40°	3887.0	45.6
0°-60°	6784.8	79.5
0°-90°	8533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3073	3073	3073	3073	3073	
5°	3056	3056	3060	3060	3065	290
15°	2927	2936	2957	2983	2996	825
25°	2652	2673	2729	2789	2824	1221
35°	2286	2316	2398	2492	2540	1428
45°	1851	1890	1984	2092	2152	1430
55°	1395	1420	1515	1623	1679	1246
65°	912	934	1007	1110	1171	904
75°	456	478	538	620	659	487
85°	95	99	125	155	164	118
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3073.3	3073.3	3073.3	3073.3	3073.3
2.5°	3073.3	3069.0	3069.0	3069.0	3073.3
5°	3056.1	3056.1	3060.4	3060.4	3064.7
7.5°	3038.9	3038.9	3043.2	3047.5	3056.1
10°	3013.0	3013.0	3021.6	3034.5	3043.2
12.5°	2974.3	2978.6	2995.8	3013.0	3025.9
15°	2926.9	2935.6	2957.1	2982.9	2995.8
17.5°	2871.0	2879.6	2909.7	2944.2	2961.4
20°	2802.1	2819.3	2858.1	2901.1	2922.6
22.5°	2733.2	2750.5	2797.8	2849.5	2875.3
25°	2651.5	2673.0	2728.9	2789.2	2823.6
27.5°	2565.4	2591.2	2655.8	2724.6	2763.4
30°	2475.0	2505.1	2574.0	2651.5	2690.2
32.5°	2380.3	2410.4	2487.9	2574.0	2617.0
35°	2285.6	2315.7	2397.5	2492.2	2539.6
37.5°	2182.3	2212.4	2298.5	2401.8	2453.5
40°	2074.7	2109.1	2199.5	2302.8	2358.8
42.5°	1962.8	2001.5	2091.9	2203.8	2259.8
45°	1850.9	1889.6	1984.3	2091.9	2152.2
47.5°	1743.3	1773.4	1868.1	1980.0	2040.3
50°	1631.3	1657.2	1751.9	1863.8	1924.0
52.5°	1510.8	1545.3	1635.6	1747.6	1803.5
55°	1394.6	1420.4	1515.1	1622.7	1678.7
57.5°	1274.1	1299.9	1390.3	1497.9	1549.6
60°	1157.9	1183.7	1265.5	1373.1	1424.7
62.5°	1028.7	1054.6	1136.3	1248.3	1299.9
65°	912.5	934.0	1007.2	1110.5	1170.8
67.5°	796.3	817.8	886.7	985.7	1033.0
70°	680.1	697.3	766.2	856.6	908.2
72.5°	568.2	585.4	654.3	736.0	779.1
75°	456.3	477.8	538.0	619.8	658.6
77.5°	353.0	374.5	426.1	499.3	533.7
80°	258.3	275.5	322.8	378.8	408.9
82.5°	172.2	185.1	219.5	266.9	288.4
85°	94.7	99.0	124.8	155.0	163.6
87.5°	38.7	38.7	47.3	51.7	56.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)