

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: P385219

Luminaire Tested: **24ID-80-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385219
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: 24ID-80-L835-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

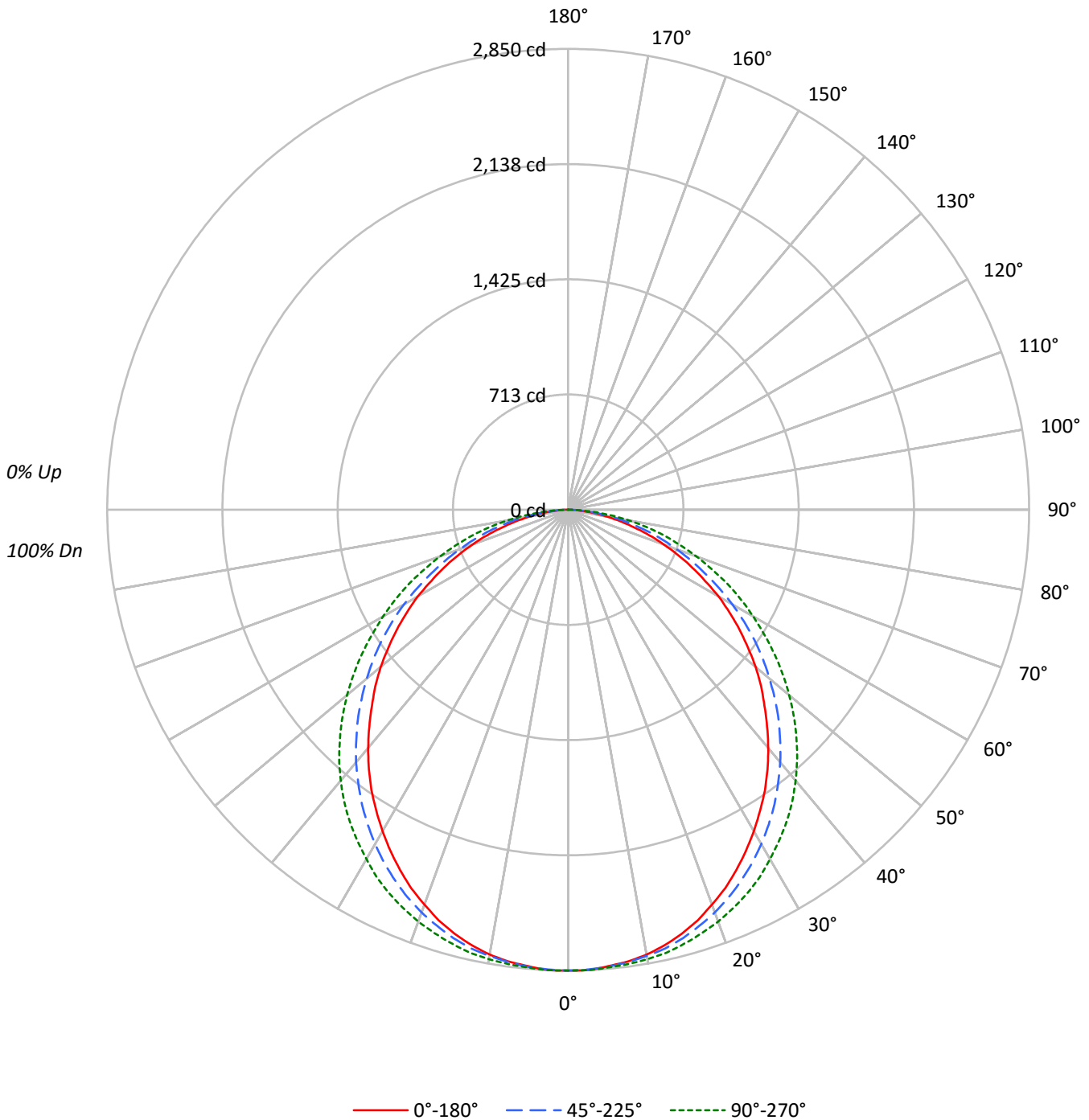
Lumens per Lamp: N/A
Luminaire Lumens: 7913.5 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 77
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°	3835	3835	3835
5°	3828	3833	3839
10°	3818	3829	3856
15°	3781	3820	3870
20°	3721	3795	3881
25°	3651	3757	3888
30°	3566	3709	3876
35°	3482	3652	3869
40°	3380	3583	3842
45°	3266	3502	3798
50°	3167	3401	3735
55°	3034	3296	3652
60°	2890	3158	3556
65°	2694	2974	3457
70°	2481	2795	3314
75°	2200	2594	3175
80°	1856	2320	2938
85°	1355	1788	2342



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.8	3.4
10°-20°	774.0	9.8
20°-30°	1167.4	14.8
30°-40°	1393.7	17.6
40°-50°	1424.4	18.0
50°-60°	1263.0	16.0
60°-70°	941.5	11.9
70°-80°	537.9	6.8
80°-90°	141.9	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°	2211.2	27.9
0°-40°	3604.8	45.6
0°-60°	6292.2	79.5
0°-90°	7913.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7913.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2850	2850	2850	2850	2850	
5°	2834	2834	2838	2838	2842	269
15°	2714	2722	2742	2766	2778	765
25°	2459	2479	2531	2587	2619	1132
35°	2120	2148	2223	2311	2355	1324
45°	1716	1752	1840	1940	1996	1326
55°	1293	1317	1405	1505	1557	1156
65°	846	866	934	1030	1086	839
75°	423	443	499	575	611	451
85°	88	92	116	144	152	110
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2850.2	2850.2	2850.2	2850.2	2850.2
2.5°	2850.2	2846.2	2846.2	2846.2	2850.2
5°	2834.2	2834.2	2838.2	2838.2	2842.2
7.5°	2818.2	2818.2	2822.2	2826.2	2834.2
10°	2794.3	2794.3	2802.3	2814.2	2822.2
12.5°	2758.4	2762.3	2778.3	2794.3	2806.3
15°	2714.4	2722.4	2742.4	2766.3	2778.3
17.5°	2662.6	2670.5	2698.5	2730.4	2746.4
20°	2598.7	2614.6	2650.6	2690.5	2710.5
22.5°	2534.8	2550.8	2594.7	2642.6	2666.5
25°	2459.0	2478.9	2530.8	2586.7	2618.6
27.5°	2379.1	2403.1	2463.0	2526.8	2562.8
30°	2295.3	2323.2	2387.1	2459.0	2494.9
32.5°	2207.5	2235.4	2307.3	2387.1	2427.0
35°	2119.7	2147.6	2223.4	2311.3	2355.2
37.5°	2023.9	2051.8	2131.6	2227.4	2275.3
40°	1924.1	1956.0	2039.8	2135.6	2187.5
42.5°	1820.3	1856.2	1940.0	2043.8	2095.7
45°	1716.5	1752.4	1840.2	1940.0	1995.9
47.5°	1616.7	1644.6	1732.5	1836.2	1892.1
50°	1512.9	1536.9	1624.7	1728.5	1784.3
52.5°	1401.1	1433.1	1516.9	1620.7	1672.6
55°	1293.4	1317.3	1405.1	1504.9	1556.8
57.5°	1181.6	1205.5	1289.4	1389.2	1437.1
60°	1073.8	1097.8	1173.6	1273.4	1321.3
62.5°	954.0	978.0	1053.8	1157.6	1205.5
65°	846.3	866.2	934.1	1029.9	1085.8
67.5°	738.5	758.4	822.3	914.1	958.0
70°	630.7	646.7	710.5	794.4	842.3
72.5°	526.9	542.9	606.8	682.6	722.5
75°	423.1	443.1	499.0	574.8	610.7
77.5°	327.3	347.3	395.2	463.1	495.0
80°	239.5	255.5	299.4	351.3	379.2
82.5°	159.7	171.6	203.6	247.5	267.5
85°	87.8	91.8	115.8	143.7	151.7
87.5°	35.9	35.9	43.9	47.9	51.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)