

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: P385167

Luminaire Tested: **22ID-80-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385167
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-80-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

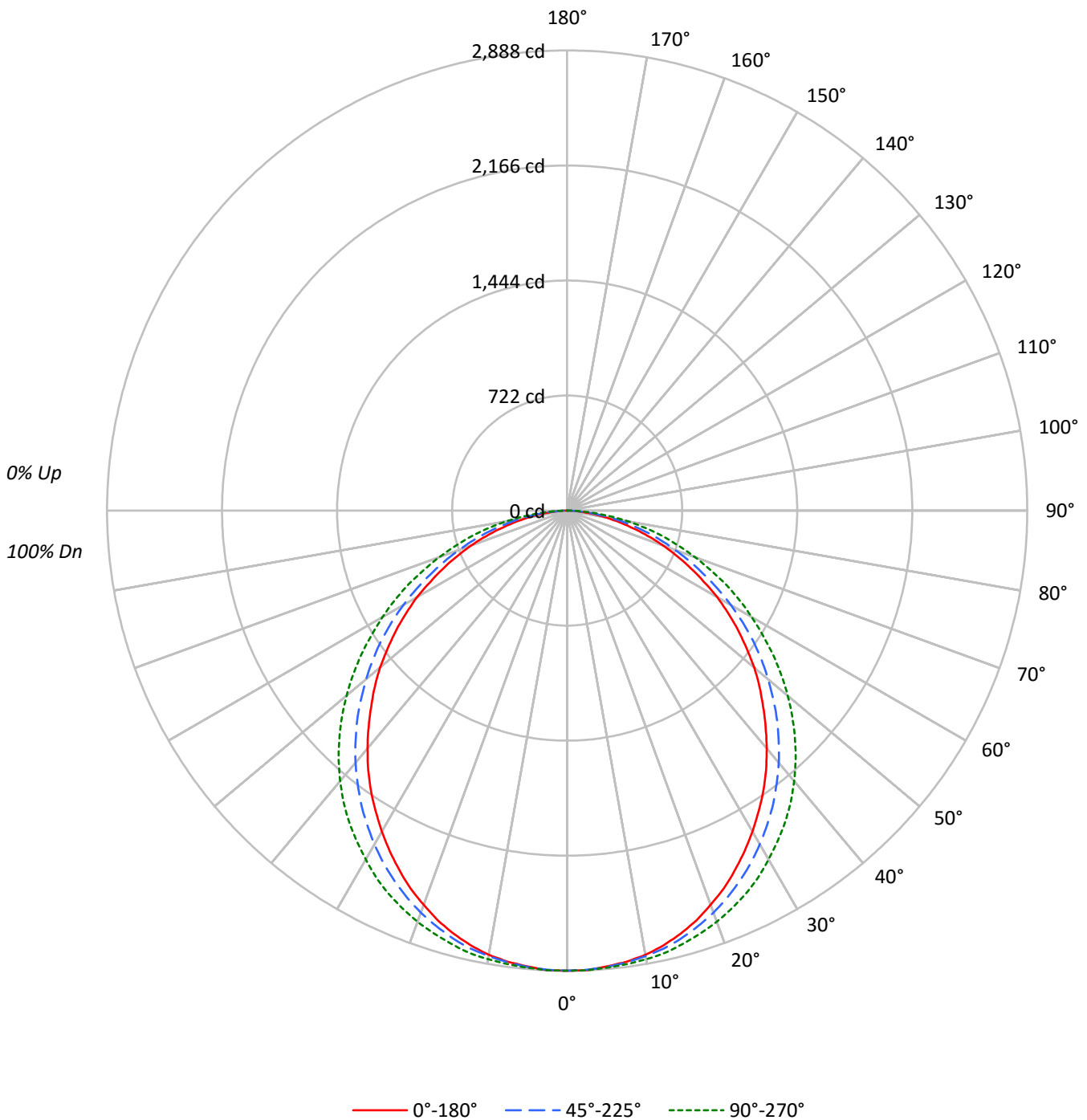
Lumens per Lamp: N/A
Luminaire Lumens: 8017.5 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 70.8
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°	7770	7770	7770
5°	7756	7767	7778
10°	7736	7758	7813
15°	7662	7740	7842
20°	7539	7690	7864
25°	7397	7613	7877
30°	7226	7515	7854
35°	7055	7400	7839
40°	6848	7260	7785
45°	6618	7095	7695
50°	6417	6891	7568
55°	6148	6679	7400
60°	5855	6399	7205
65°	5459	6026	7004
70°	5028	5664	6714
75°	4457	5256	6434
80°	3761	4700	5954
85°	2748	3622	4746



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.4	3.4
10°-20°	784.2	9.8
20°-30°	1182.7	14.8
30°-40°	1412.0	17.6
40°-50°	1443.1	18.0
50°-60°	1279.6	16.0
60°-70°	953.9	11.9
70°-80°	544.9	6.8
80°-90°	143.7	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°	2240.2	27.9
0°-40°	3652.2	45.6
0°-60°	6374.9	79.5
0°-90°	8017.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8017.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2888	2888	2888	2888	2888	
5°	2871	2871	2876	2876	2880	273
15°	2750	2758	2778	2803	2815	775
25°	2491	2512	2564	2621	2653	1147
35°	2148	2176	2253	2342	2386	1342
45°	1739	1775	1864	1966	2022	1344
55°	1310	1335	1424	1525	1577	1171
65°	857	878	946	1043	1100	850
75°	429	449	506	582	619	457
85°	89	93	117	146	154	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2887.6	2887.6	2887.6	2887.6	2887.6
2.5°	2887.6	2883.6	2883.6	2883.6	2887.6
5°	2871.4	2871.4	2875.5	2875.5	2879.5
7.5°	2855.3	2855.3	2859.3	2863.4	2871.4
10°	2831.0	2831.0	2839.1	2851.2	2859.3
12.5°	2794.6	2798.6	2814.8	2831.0	2843.1
15°	2750.1	2758.2	2778.4	2802.7	2814.8
17.5°	2697.5	2705.6	2733.9	2766.3	2782.5
20°	2632.8	2649.0	2685.4	2725.9	2746.1
22.5°	2568.1	2584.3	2628.8	2677.3	2701.6
25°	2491.3	2511.5	2564.1	2620.7	2653.1
27.5°	2410.4	2434.7	2495.3	2560.0	2596.4
30°	2325.5	2353.8	2418.5	2491.3	2527.7
32.5°	2236.5	2264.8	2337.6	2418.5	2458.9
35°	2147.5	2175.8	2252.7	2341.6	2386.1
37.5°	2050.5	2078.8	2159.7	2256.7	2305.2
40°	1949.3	1981.7	2066.6	2163.7	2216.3
42.5°	1844.2	1880.6	1965.5	2070.7	2123.3
45°	1739.0	1775.4	1864.4	1965.5	2022.1
47.5°	1637.9	1666.2	1755.2	1860.4	1917.0
50°	1532.8	1557.1	1646.0	1751.2	1807.8
52.5°	1419.5	1451.9	1536.8	1642.0	1694.6
55°	1310.4	1334.6	1423.6	1524.7	1577.3
57.5°	1197.1	1221.4	1306.3	1407.4	1455.9
60°	1087.9	1112.2	1189.0	1290.1	1338.7
62.5°	966.6	990.9	1067.7	1172.8	1221.4
65°	857.4	877.6	946.4	1043.4	1100.0
67.5°	748.2	768.4	833.1	926.1	970.6
70°	639.0	655.2	719.9	804.8	853.3
72.5°	533.8	550.0	614.7	691.6	732.0
75°	428.7	448.9	505.5	582.4	618.8
77.5°	331.6	351.9	400.4	469.1	501.5
80°	242.7	258.8	303.3	355.9	384.2
82.5°	161.8	173.9	206.3	250.7	271.0
85°	89.0	93.0	117.3	145.6	153.7
87.5°	36.4	36.4	44.5	48.5	52.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)