

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: P385111

Luminaire Tested: **14ID-80-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385111
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: 14ID-80-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

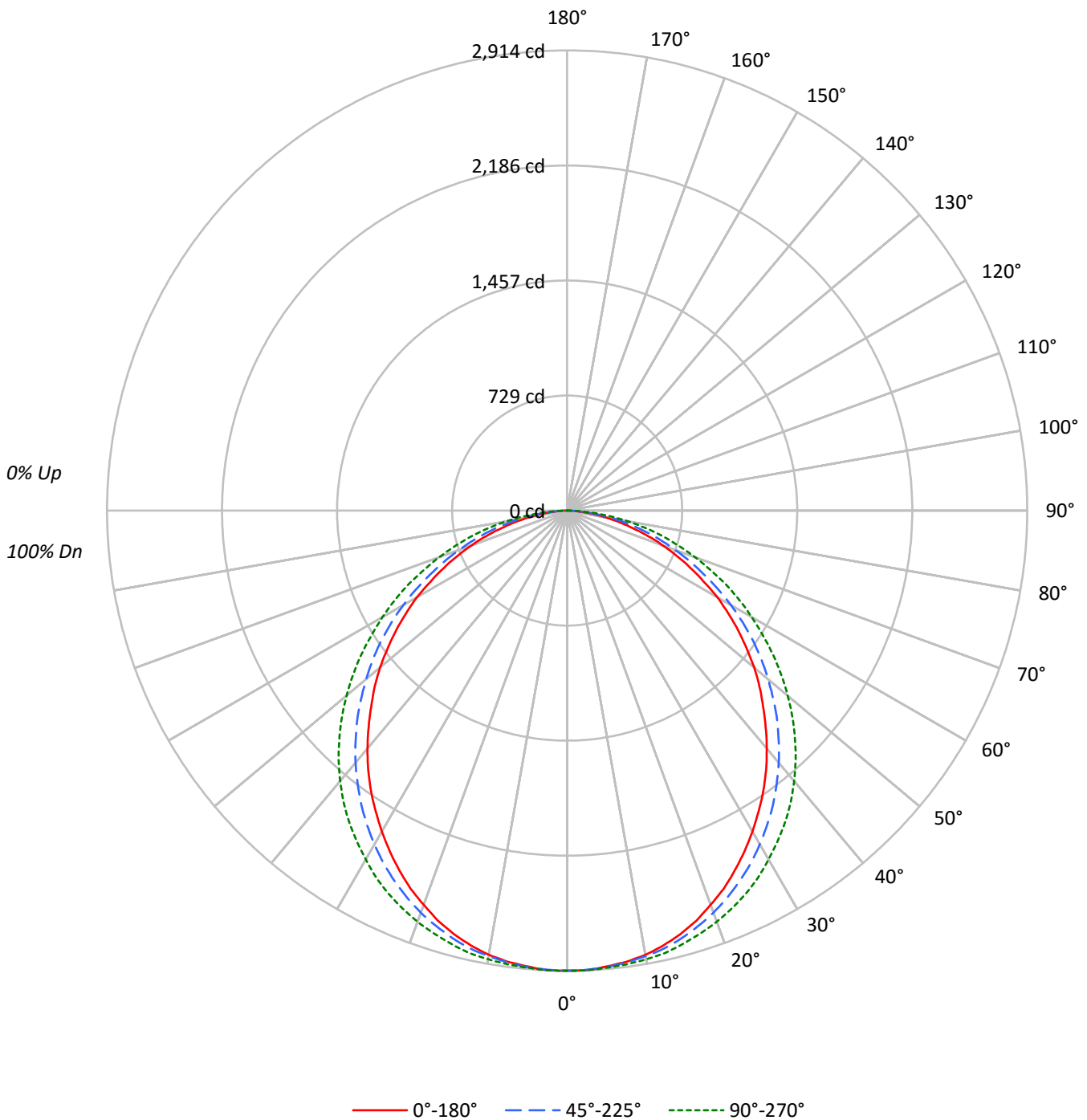
Lumens per Lamp: N/A
Luminaire Lumens: 8090.4 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 77.1
Input Voltage (V): NR
Input Current (A_{in}): 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°	7841	7841	7841
5°	7827	7838	7849
10°	7806	7828	7884
15°	7731	7811	7913
20°	7608	7760	7935
25°	7464	7682	7949
30°	7292	7583	7926
35°	7119	7468	7910
40°	6910	7326	7856
45°	6678	7160	7765
50°	6475	6954	7637
55°	6204	6739	7467
60°	5908	6457	7270
65°	5509	6081	7068
70°	5073	5715	6775
75°	4498	5304	6492
80°	3795	4744	6008
85°	2773	3656	4789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.8	3.4
10°-20°	791.3	9.8
20°-30°	1193.5	14.8
30°-40°	1424.8	17.6
40°-50°	1456.2	18.0
50°-60°	1291.3	16.0
60°-70°	962.6	11.9
70°-80°	549.9	6.8
80°-90°	145.1	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°	2260.6	27.9
0°-40°	3685.4	45.6
0°-60°	6432.9	79.5
0°-90°	8090.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8090.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2914	2914	2914	2914	2914	
5°	2898	2898	2902	2902	2906	275
15°	2775	2783	2804	2828	2840	782
25°	2514	2534	2587	2644	2677	1157
35°	2167	2196	2273	2363	2408	1354
45°	1755	1792	1881	1983	2040	1356
55°	1322	1347	1436	1539	1592	1182
65°	865	886	955	1053	1110	857
75°	433	453	510	588	624	461
85°	90	94	118	147	155	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2913.9	2913.9	2913.9	2913.9	2913.9
2.5°	2913.9	2909.8	2909.8	2909.8	2913.9
5°	2897.6	2897.6	2901.6	2901.6	2905.7
7.5°	2881.2	2881.2	2885.3	2889.4	2897.6
10°	2856.7	2856.7	2864.9	2877.1	2885.3
12.5°	2820.0	2824.1	2840.4	2856.7	2869.0
15°	2775.1	2783.3	2803.7	2828.2	2840.4
17.5°	2722.1	2730.2	2758.8	2791.4	2807.8
20°	2656.8	2673.1	2709.8	2750.6	2771.0
22.5°	2591.5	2607.8	2652.7	2701.7	2726.2
25°	2513.9	2534.3	2587.4	2644.5	2677.2
27.5°	2432.3	2456.8	2518.0	2583.3	2620.0
30°	2346.6	2375.2	2440.5	2513.9	2550.7
32.5°	2256.8	2285.4	2358.9	2440.5	2481.3
35°	2167.0	2195.6	2273.2	2362.9	2407.8
37.5°	2069.1	2097.7	2179.3	2277.2	2326.2
40°	1967.1	1999.7	2085.4	2183.4	2236.4
42.5°	1861.0	1897.7	1983.4	2089.5	2142.6
45°	1754.9	1791.6	1881.4	1983.4	2040.5
47.5°	1652.8	1681.4	1771.2	1877.3	1934.4
50°	1546.7	1571.2	1661.0	1767.1	1824.2
52.5°	1432.5	1465.1	1550.8	1656.9	1710.0
55°	1322.3	1346.8	1436.5	1538.6	1591.6
57.5°	1208.0	1232.5	1318.2	1420.2	1469.2
60°	1097.8	1122.3	1199.8	1301.9	1350.8
62.5°	975.4	999.9	1077.4	1183.5	1232.5
65°	865.2	885.6	955.0	1052.9	1110.0
67.5°	755.0	775.4	840.7	934.6	979.5
70°	644.8	661.1	726.4	812.1	861.1
72.5°	538.7	555.0	620.3	697.9	738.7
75°	432.6	453.0	510.1	587.7	624.4
77.5°	334.6	355.1	404.0	473.4	506.1
80°	244.9	261.2	306.1	359.1	387.7
82.5°	163.2	175.5	208.1	253.0	273.4
85°	89.8	93.9	118.4	146.9	155.1
87.5°	36.7	36.7	44.9	49.0	53.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)