

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: P385345

Luminaire Tested: **22ID-90-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-90-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

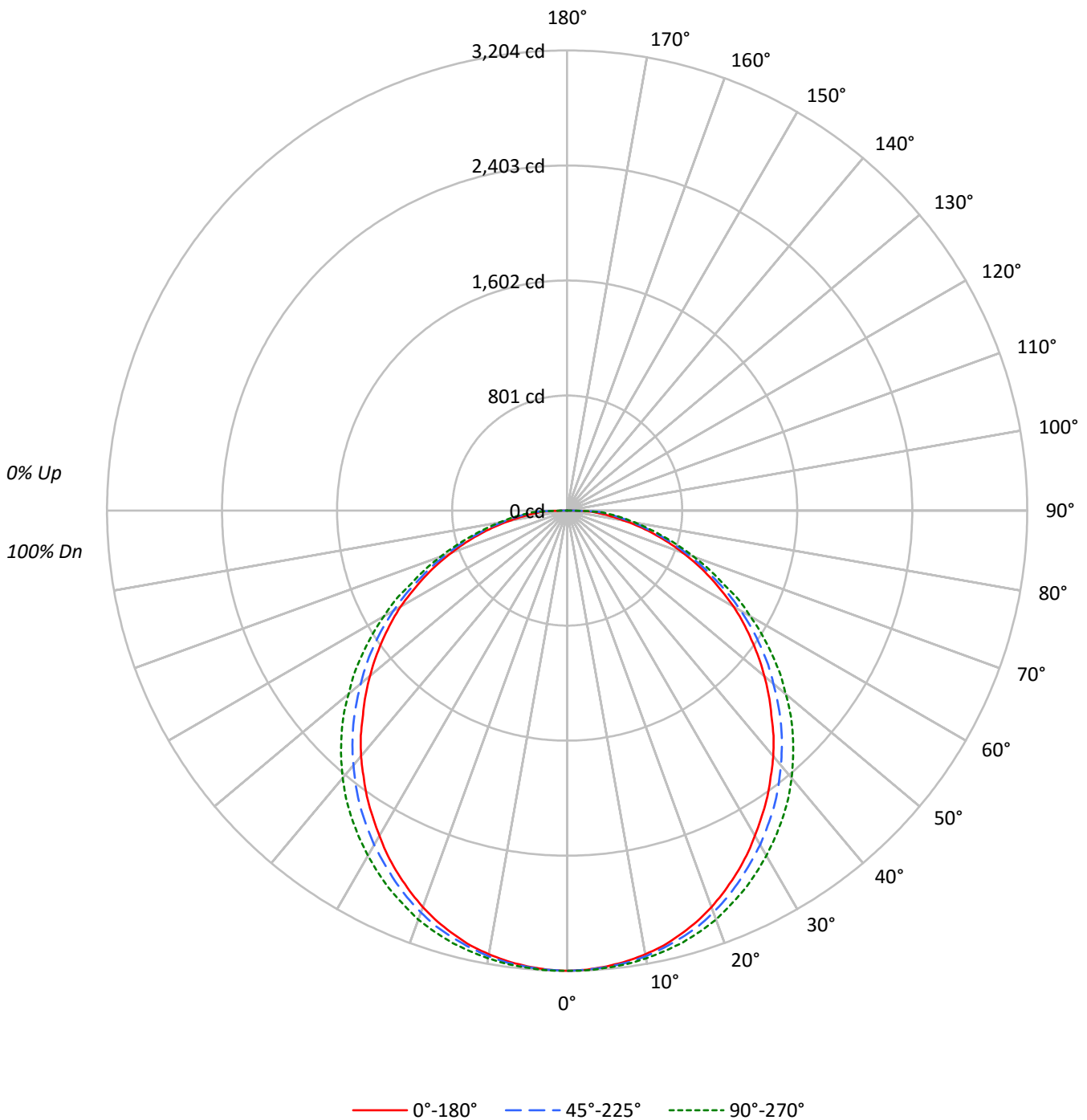
Lumens per Lamp: N/A
Luminaire Lumens: 9293.9 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 85.5
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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8623	8623	8623
5°	8541	8529	8567
10°	8447	8435	8525
15°	8324	8314	8482
20°	8167	8175	8423
25°	7970	7999	8330
30°	7752	7818	8224
35°	7546	7627	8116
40°	7331	7401	7982
45°	7063	7174	7810
50°	6828	6884	7565
55°	6565	6599	7295
60°	6297	6243	6933
65°	5927	5797	6449
70°	5477	5314	6003
75°	4945	4781	5481
80°	4221	4220	5035
85°	3593	3815	4815



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.2	3.3
10°-20°	868.9	9.3
20°-30°	1311.2	14.1
30°-40°	1573.8	16.9
40°-50°	1628.8	17.5
50°-60°	1475.6	15.9
60°-70°	1136.8	12.2
70°-80°	703.5	7.6
80°-90°	292.2	3.1
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°	2483.3	26.7
0°-40°	4057.1	43.7
0°-60°	7161.4	77.1
0°-90°	9293.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9293.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3204	3204	3204	3204	3204	
5°	3185	3185	3190	3190	3195	303
15°	3054	3059	3079	3098	3112	861
25°	2789	2798	2842	2890	2914	1284
35°	2431	2450	2513	2581	2615	1520
45°	2011	2040	2107	2185	2223	1555
55°	1566	1590	1643	1716	1740	1402
65°	1097	1107	1141	1189	1194	1085
75°	624	638	662	691	691	660
85°	227	251	290	309	304	245
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3204.3	3204.3	3204.3	3204.3	3204.3
2.5°	3199.5	3199.5	3199.5	3199.5	3204.3
5°	3185.0	3185.0	3189.8	3189.8	3194.7
7.5°	3165.7	3165.7	3175.3	3175.3	3185.0
10°	3136.7	3141.5	3151.2	3156.0	3165.7
12.5°	3102.9	3102.9	3117.4	3131.9	3141.5
15°	3054.5	3059.4	3078.7	3098.0	3112.5
17.5°	3001.4	3006.2	3035.2	3054.5	3073.9
20°	2938.5	2943.4	2977.2	3006.2	3030.4
22.5°	2866.0	2875.7	2914.4	2953.0	2972.4
25°	2788.7	2798.4	2841.9	2890.2	2914.4
27.5°	2706.5	2721.0	2764.5	2817.7	2846.7
30°	2614.7	2634.0	2687.2	2745.2	2774.2
32.5°	2522.9	2542.2	2600.2	2667.9	2696.9
35°	2431.1	2450.4	2513.2	2580.9	2614.7
37.5°	2329.6	2348.9	2416.6	2489.0	2527.7
40°	2232.9	2252.2	2315.1	2397.2	2431.1
42.5°	2126.6	2145.9	2213.6	2290.9	2329.6
45°	2010.6	2039.6	2107.2	2184.6	2223.2
47.5°	1904.2	1928.4	1991.2	2073.4	2112.1
50°	1793.1	1817.2	1875.2	1957.4	1986.4
52.5°	1681.9	1706.1	1764.1	1841.4	1870.4
55°	1565.9	1590.1	1643.3	1715.8	1739.9
57.5°	1454.8	1474.1	1522.4	1590.1	1609.4
60°	1338.8	1358.1	1396.8	1459.6	1474.1
62.5°	1213.1	1227.6	1271.1	1329.1	1348.4
65°	1097.1	1106.8	1140.6	1188.9	1193.8
67.5°	976.3	986.0	1019.8	1053.6	1068.1
70°	855.5	870.0	894.1	928.0	937.6
72.5°	739.5	754.0	778.1	807.1	812.0
75°	623.5	638.0	662.1	691.1	691.1
77.5°	512.3	526.8	555.8	580.0	580.0
80°	401.1	425.3	454.3	478.5	478.5
82.5°	309.3	328.7	367.3	386.6	386.6
85°	227.2	251.3	290.0	309.3	304.5
87.5°	164.3	188.5	222.3	236.8	232.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)