

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: P385344

Luminaire Tested: **22ID-90-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385344
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-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

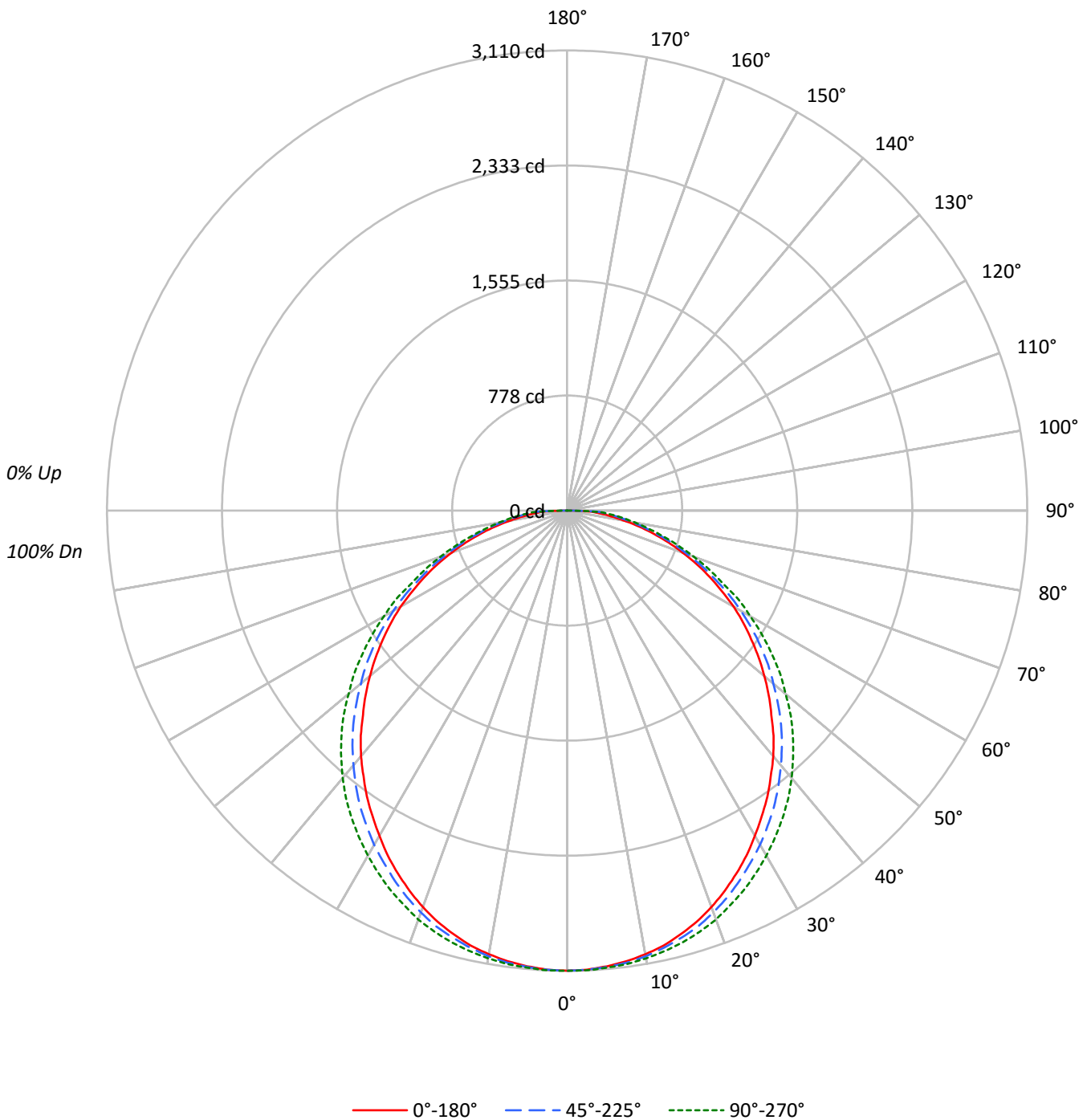
Lumens per Lamp: N/A
Luminaire Lumens: 9020.6 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

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°	8369	8369	8369
5°	8290	8278	8315
10°	8198	8187	8274
15°	8079	8070	8232
20°	7927	7935	8175
25°	7736	7763	8085
30°	7524	7588	7983
35°	7324	7402	7877
40°	7115	7183	7747
45°	6855	6963	7580
50°	6628	6681	7342
55°	6372	6405	7080
60°	6111	6059	6729
65°	5753	5627	6259
70°	5316	5158	5827
75°	4799	4641	5320
80°	4098	4096	4887
85°	3487	3703	4673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.3	3.3
10°-20°	843.3	9.3
20°-30°	1272.6	14.1
30°-40°	1527.6	16.9
40°-50°	1580.9	17.5
50°-60°	1432.2	15.9
60°-70°	1103.4	12.2
70°-80°	682.8	7.6
80°-90°	283.6	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°	2410.3	26.7
0°-40°	3937.8	43.7
0°-60°	6950.8	77.1
0°-90°	9020.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9020.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3110	3110	3110	3110	3110	
5°	3091	3091	3096	3096	3101	294
15°	2965	2969	2988	3007	3021	836
25°	2707	2716	2758	2805	2829	1247
35°	2360	2378	2439	2505	2538	1475
45°	1951	1980	2045	2120	2158	1509
55°	1520	1543	1595	1665	1689	1361
65°	1065	1074	1107	1154	1159	1053
75°	605	619	643	671	671	641
85°	220	244	282	300	296	238
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3110.1	3110.1	3110.1	3110.1	3110.1
2.5°	3105.4	3105.4	3105.4	3105.4	3110.1
5°	3091.4	3091.4	3096.0	3096.0	3100.7
7.5°	3072.6	3072.6	3082.0	3082.0	3091.4
10°	3044.4	3049.1	3058.5	3063.2	3072.6
12.5°	3011.6	3011.6	3025.7	3039.8	3049.1
15°	2964.7	2969.4	2988.2	3006.9	3021.0
17.5°	2913.1	2917.8	2945.9	2964.7	2983.5
20°	2852.1	2856.8	2889.6	2917.8	2941.2
22.5°	2781.8	2791.1	2828.7	2866.2	2885.0
25°	2706.7	2716.1	2758.3	2805.2	2828.7
27.5°	2626.9	2641.0	2683.2	2734.8	2763.0
30°	2537.8	2556.6	2608.2	2664.5	2692.6
32.5°	2448.7	2467.5	2523.7	2589.4	2617.6
35°	2359.6	2378.3	2439.3	2505.0	2537.8
37.5°	2261.1	2279.8	2345.5	2415.9	2453.4
40°	2167.2	2186.0	2247.0	2326.7	2359.6
42.5°	2064.0	2082.8	2148.5	2223.5	2261.1
45°	1951.4	1979.6	2045.3	2120.3	2157.9
47.5°	1848.2	1871.7	1932.7	2012.4	2050.0
50°	1740.4	1763.8	1820.1	1899.8	1928.0
52.5°	1632.5	1655.9	1712.2	1787.3	1815.4
55°	1519.9	1543.3	1594.9	1665.3	1688.8
57.5°	1412.0	1430.7	1477.7	1543.3	1562.1
60°	1299.4	1318.2	1355.7	1416.7	1430.7
62.5°	1177.4	1191.5	1233.7	1290.0	1308.8
65°	1064.9	1074.2	1107.1	1154.0	1158.7
67.5°	947.6	957.0	989.8	1022.6	1036.7
70°	830.3	844.4	867.8	900.7	910.1
72.5°	717.7	731.8	755.2	783.4	788.1
75°	605.1	619.2	642.7	670.8	670.8
77.5°	497.2	511.3	539.5	562.9	562.9
80°	389.4	412.8	441.0	464.4	464.4
82.5°	300.2	319.0	356.5	375.3	375.3
85°	220.5	243.9	281.5	300.2	295.5
87.5°	159.5	182.9	215.8	229.9	225.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)