

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: P385343

Luminaire Tested: **22ID-90-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385343
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-L835-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

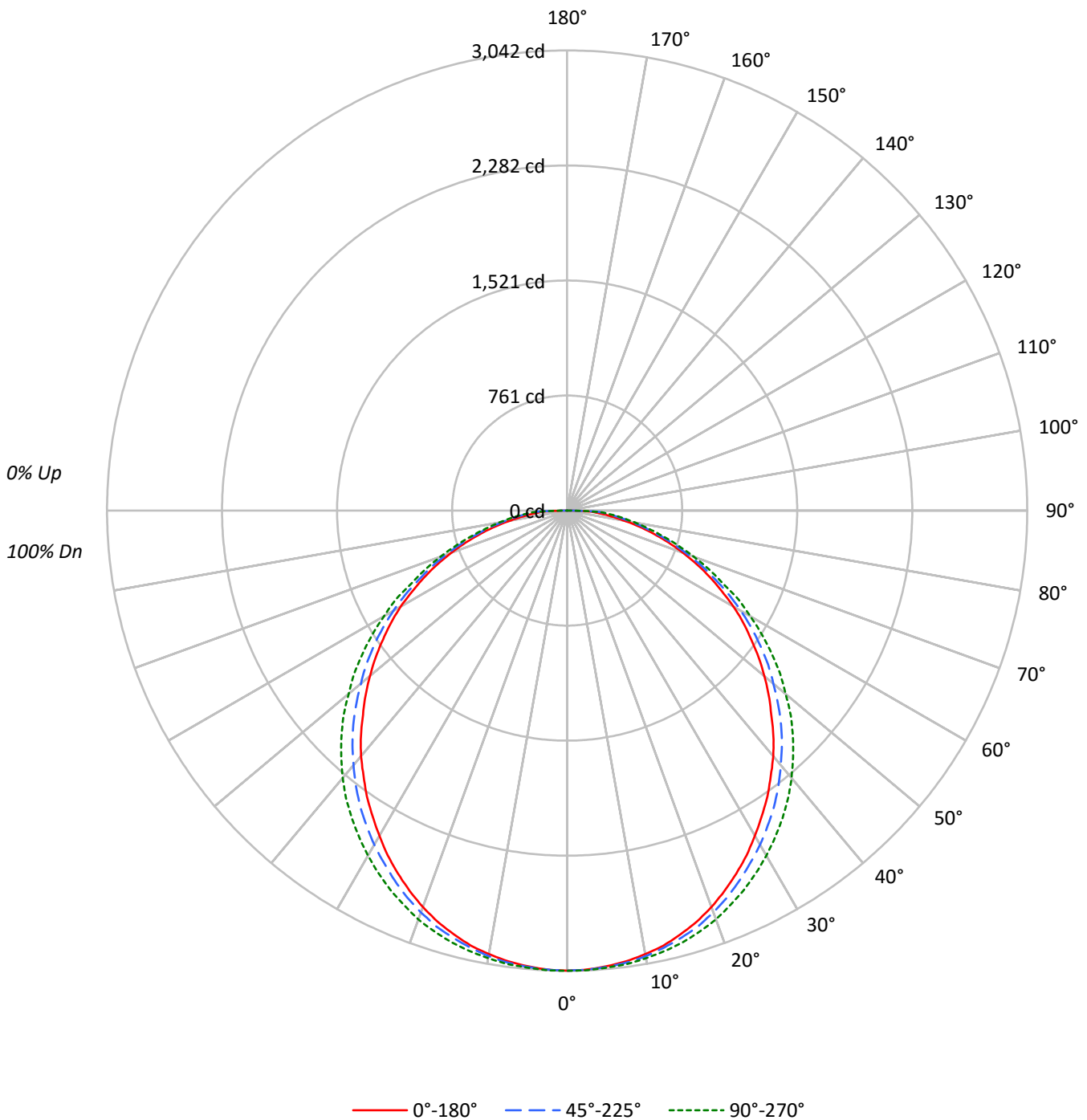
Lumens per Lamp: N/A
Luminaire Lumens: 8822.2 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 84.1
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	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°	8185	8185	8185
5°	8108	8096	8132
10°	8018	8007	8092
15°	7901	7892	8051
20°	7753	7760	7995
25°	7566	7592	7907
30°	7358	7421	7807
35°	7163	7240	7704
40°	6959	7025	7577
45°	6704	6810	7414
50°	6482	6534	7181
55°	6232	6264	6924
60°	5977	5926	6581
65°	5626	5503	6122
70°	5198	5044	5698
75°	4693	4538	5203
80°	4007	4006	4780
85°	3409	3622	4570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	3.3
10°-20°	824.8	9.3
20°-30°	1244.7	14.1
30°-40°	1494.0	16.9
40°-50°	1546.1	17.5
50°-60°	1400.7	15.9
60°-70°	1079.1	12.2
70°-80°	667.7	7.6
80°-90°	277.3	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°	2357.2	26.7
0°-40°	3851.2	43.7
0°-60°	6798.0	77.1
0°-90°	8822.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8822.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3042	3042	3042	3042	3042	
5°	3023	3023	3028	3028	3032	287
15°	2900	2904	2922	2941	2954	818
25°	2647	2656	2698	2744	2766	1219
35°	2308	2326	2386	2450	2482	1443
45°	1908	1936	2000	2074	2110	1476
55°	1486	1509	1560	1629	1652	1331
65°	1041	1051	1083	1129	1133	1030
75°	592	606	628	656	656	627
85°	216	239	275	294	289	233
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3041.7	3041.7	3041.7	3041.7	3041.7
2.5°	3037.1	3037.1	3037.1	3037.1	3041.7
5°	3023.4	3023.4	3028.0	3028.0	3032.5
7.5°	3005.0	3005.0	3014.2	3014.2	3023.4
10°	2977.5	2982.1	2991.2	2995.8	3005.0
12.5°	2945.4	2945.4	2959.1	2972.9	2982.1
15°	2899.5	2904.1	2922.4	2940.8	2954.5
17.5°	2849.0	2853.6	2881.1	2899.5	2917.8
20°	2789.4	2794.0	2826.1	2853.6	2876.6
22.5°	2720.6	2729.7	2766.4	2803.1	2821.5
25°	2647.2	2656.3	2697.6	2743.5	2766.4
27.5°	2569.2	2582.9	2624.2	2674.7	2702.2
30°	2482.0	2500.4	2550.8	2605.9	2633.4
32.5°	2394.8	2413.2	2468.2	2532.5	2560.0
35°	2307.7	2326.0	2385.7	2449.9	2482.0
37.5°	2211.3	2229.7	2293.9	2362.7	2399.4
40°	2119.6	2137.9	2197.6	2275.6	2307.7
42.5°	2018.6	2037.0	2101.2	2174.6	2211.3
45°	1908.5	1936.1	2000.3	2073.7	2110.4
47.5°	1807.6	1830.5	1890.2	1968.2	2004.9
50°	1702.1	1725.0	1780.1	1858.1	1885.6
52.5°	1596.6	1619.5	1674.5	1748.0	1775.5
55°	1486.4	1509.4	1559.9	1628.7	1651.6
57.5°	1380.9	1399.3	1445.2	1509.4	1527.7
60°	1270.8	1289.2	1325.9	1385.5	1399.3
62.5°	1151.5	1165.3	1206.6	1261.6	1280.0
65°	1041.4	1050.6	1082.7	1128.6	1133.2
67.5°	926.7	935.9	968.0	1000.1	1013.9
70°	812.0	825.8	848.7	880.9	890.0
72.5°	701.9	715.7	738.6	766.2	770.8
75°	591.8	605.6	628.5	656.1	656.1
77.5°	486.3	500.1	527.6	550.5	550.5
80°	380.8	403.7	431.3	454.2	454.2
82.5°	293.6	312.0	348.7	367.0	367.0
85°	215.6	238.6	275.3	293.6	289.0
87.5°	156.0	178.9	211.0	224.8	220.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)