

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: P385169

Luminaire Tested: **22ID-80-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385169
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-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

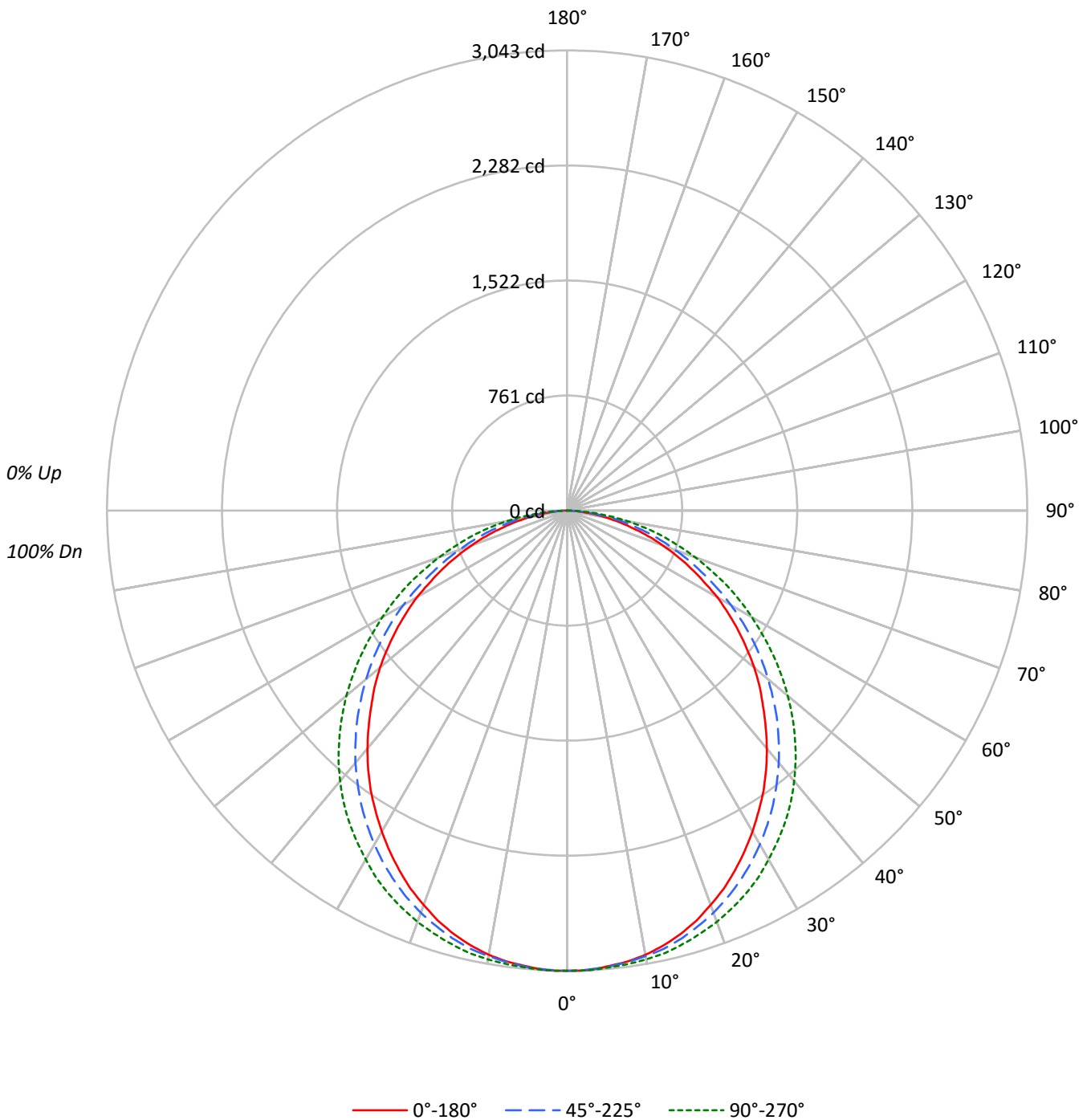
Lumens per Lamp: N/A
Luminaire Lumens: 8449.6 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 71.8
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°	8189	8189	8189
5°	8175	8186	8198
10°	8153	8176	8234
15°	8074	8158	8264
20°	7946	8105	8288
25°	7796	8024	8302
30°	7615	7920	8277
35°	7435	7799	8261
40°	7217	7651	8205
45°	6975	7478	8110
50°	6763	7262	7976
55°	6479	7039	7799
60°	6170	6744	7593
65°	5754	6351	7382
70°	5298	5969	7076
75°	4697	5540	6780
80°	3963	4954	6275
85°	2896	3816	5002



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	3.4
10°-20°	826.4	9.8
20°-30°	1246.4	14.8
30°-40°	1488.1	17.6
40°-50°	1520.9	18.0
50°-60°	1348.6	16.0
60°-70°	1005.3	11.9
70°-80°	574.3	6.8
80°-90°	151.5	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°	2361.0	27.9
0°-40°	3849.0	45.6
0°-60°	6718.5	79.5
0°-90°	8449.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8449.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3043	3043	3043	3043	3043	
5°	3026	3026	3030	3030	3035	288
15°	2898	2907	2928	2954	2966	817
25°	2626	2647	2702	2762	2796	1209
35°	2263	2293	2374	2468	2515	1414
45°	1833	1871	1965	2072	2131	1416
55°	1381	1406	1500	1607	1662	1234
65°	904	925	997	1100	1159	896
75°	452	473	533	614	652	482
85°	94	98	124	153	162	117
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3043.3	3043.3	3043.3	3043.3	3043.3
2.5°	3043.3	3039.0	3039.0	3039.0	3043.3
5°	3026.2	3026.2	3030.5	3030.5	3034.7
7.5°	3009.2	3009.2	3013.4	3017.7	3026.2
10°	2983.6	2983.6	2992.1	3004.9	3013.4
12.5°	2945.2	2949.5	2966.5	2983.6	2996.4
15°	2898.3	2906.9	2928.2	2953.7	2966.5
17.5°	2842.9	2851.4	2881.3	2915.4	2932.4
20°	2774.7	2791.8	2830.1	2872.8	2894.1
22.5°	2706.5	2723.6	2770.5	2821.6	2847.2
25°	2625.5	2646.9	2702.3	2761.9	2796.0
27.5°	2540.3	2565.9	2629.8	2698.0	2736.4
30°	2450.8	2480.6	2548.8	2625.5	2663.9
32.5°	2357.0	2386.9	2463.6	2548.8	2591.5
35°	2263.3	2293.1	2374.1	2467.8	2514.7
37.5°	2161.0	2190.8	2276.0	2378.3	2429.5
40°	2054.4	2088.5	2178.0	2280.3	2335.7
42.5°	1943.6	1981.9	2071.5	2182.3	2237.7
45°	1832.8	1871.1	1964.9	2071.5	2131.1
47.5°	1726.2	1756.0	1849.8	1960.6	2020.3
50°	1615.4	1641.0	1734.7	1845.6	1905.2
52.5°	1496.1	1530.1	1619.7	1730.5	1785.9
55°	1381.0	1406.5	1500.3	1606.9	1662.3
57.5°	1261.6	1287.2	1376.7	1483.3	1534.4
60°	1146.5	1172.1	1253.1	1359.7	1410.8
62.5°	1018.7	1044.3	1125.2	1236.1	1287.2
65°	903.6	924.9	997.4	1099.7	1159.3
67.5°	788.5	809.8	878.0	976.1	1022.9
70°	673.4	690.5	758.7	848.2	899.3
72.5°	562.6	579.7	647.9	728.8	771.5
75°	451.8	473.1	532.8	613.8	652.1
77.5°	349.5	370.8	422.0	494.4	528.5
80°	255.7	272.8	319.7	375.1	404.9
82.5°	170.5	183.3	217.4	264.3	285.6
85°	93.8	98.0	123.6	153.4	162.0
87.5°	38.4	38.4	46.9	51.1	55.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)