

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: P383825

Luminaire Tested: **22ID-80-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-80-L850-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

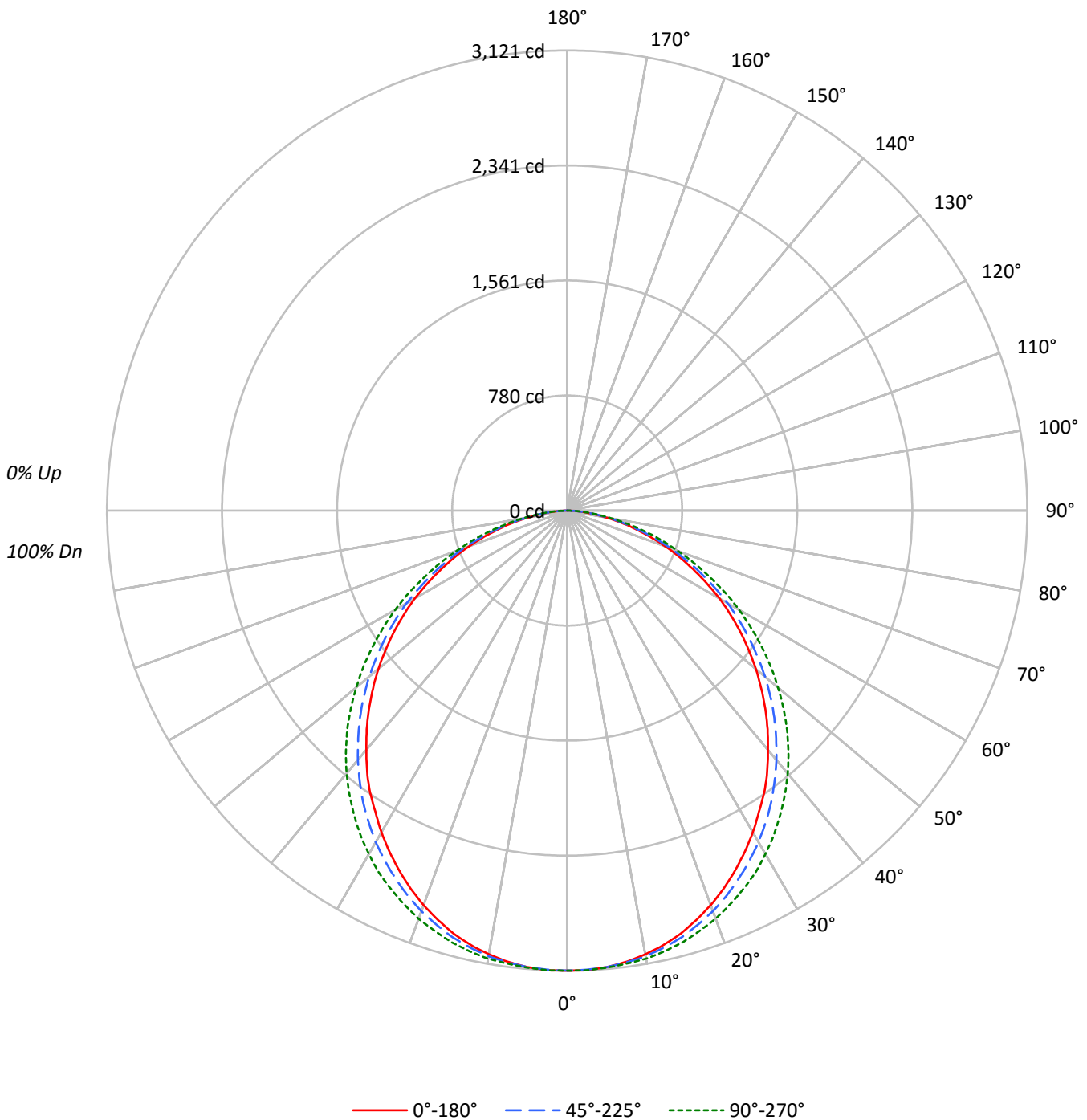
Lumens per Lamp: N/A
Luminaire Lumens: 8475.2 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 71.8
Input Voltage (V): NR
Input Current (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	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8397	8397	8397
5°	8395	8395	8407
10°	8352	8387	8434
15°	8278	8349	8444
20°	8155	8277	8436
25°	8000	8177	8405
30°	7829	8067	8359
35°	7661	7927	8277
40°	7443	7757	8177
45°	7236	7560	8031
50°	6996	7335	7817
55°	6720	7060	7560
60°	6424	6768	7251
65°	5999	6352	6786
70°	5568	5870	6272
75°	4965	5231	5674
80°	4162	4361	4756
85°	3159	3159	3554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.4	3.5
10°-20°	845.1	10.0
20°-30°	1270.7	15.0
30°-40°	1511.7	17.8
40°-50°	1538.1	18.1
50°-60°	1353.7	16.0
60°-70°	993.0	11.7
70°-80°	539.0	6.4
80°-90°	128.6	1.5
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°	2411.2	28.4
0°-40°	3922.8	46.3
0°-60°	6814.6	80.4
0°-90°	8475.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8475.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3121	3121	3121	3121	3121	
5°	3108	3104	3108	3108	3112	295
15°	2971	2976	2997	3014	3031	837
25°	2694	2711	2754	2801	2831	1241
35°	2332	2349	2413	2485	2520	1456
45°	1901	1918	1987	2072	2110	1466
55°	1432	1454	1505	1577	1612	1281
65°	942	959	998	1040	1066	936
75°	478	486	503	529	546	507
85°	102	102	102	111	115	123
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3120.6	3120.6	3120.6	3120.6	3120.6
2.5°	3120.6	3116.4	3116.4	3116.4	3120.6
5°	3107.8	3103.6	3107.8	3107.8	3112.1
7.5°	3086.5	3082.3	3090.8	3095.1	3099.3
10°	3056.7	3056.7	3069.5	3078.0	3086.5
12.5°	3018.3	3022.6	3035.4	3048.2	3061.0
15°	2971.4	2975.7	2997.0	3014.1	3031.1
17.5°	2911.7	2920.3	2945.8	2971.4	2988.5
20°	2847.8	2860.6	2890.4	2924.5	2945.8
22.5°	2775.3	2792.4	2826.5	2869.1	2890.4
25°	2694.3	2711.4	2754.0	2800.9	2830.7
27.5°	2609.1	2630.4	2677.3	2732.7	2766.8
30°	2519.5	2540.8	2596.3	2656.0	2690.1
32.5°	2421.5	2447.1	2506.7	2575.0	2609.1
35°	2332.0	2349.0	2413.0	2485.4	2519.5
37.5°	2229.6	2251.0	2310.6	2387.4	2425.7
40°	2118.8	2140.1	2208.3	2285.1	2327.7
42.5°	2012.2	2029.3	2097.5	2182.7	2221.1
45°	1901.4	1918.4	1986.6	2071.9	2110.3
47.5°	1786.3	1807.6	1871.5	1952.5	1990.9
50°	1671.2	1688.2	1752.2	1828.9	1867.3
52.5°	1551.8	1568.8	1628.5	1705.3	1743.6
55°	1432.4	1453.7	1504.9	1577.4	1611.5
57.5°	1313.1	1334.4	1381.3	1449.5	1479.3
60°	1193.7	1210.7	1257.6	1317.3	1347.2
62.5°	1065.8	1078.6	1125.5	1185.2	1210.7
65°	942.2	959.2	997.6	1040.2	1065.8
67.5°	827.1	835.6	869.7	916.6	933.6
70°	707.7	716.2	746.1	784.4	797.2
72.5°	588.3	601.1	622.4	656.5	673.6
75°	477.5	486.0	503.1	528.6	545.7
77.5°	370.9	375.2	387.9	409.3	422.1
80°	268.6	272.8	281.4	298.4	306.9
82.5°	179.1	183.3	187.6	196.1	204.6
85°	102.3	102.3	102.3	110.8	115.1
87.5°	38.4	34.1	34.1	34.1	34.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)