

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: P383815

Luminaire Tested: **22ID-70-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383815
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-70-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

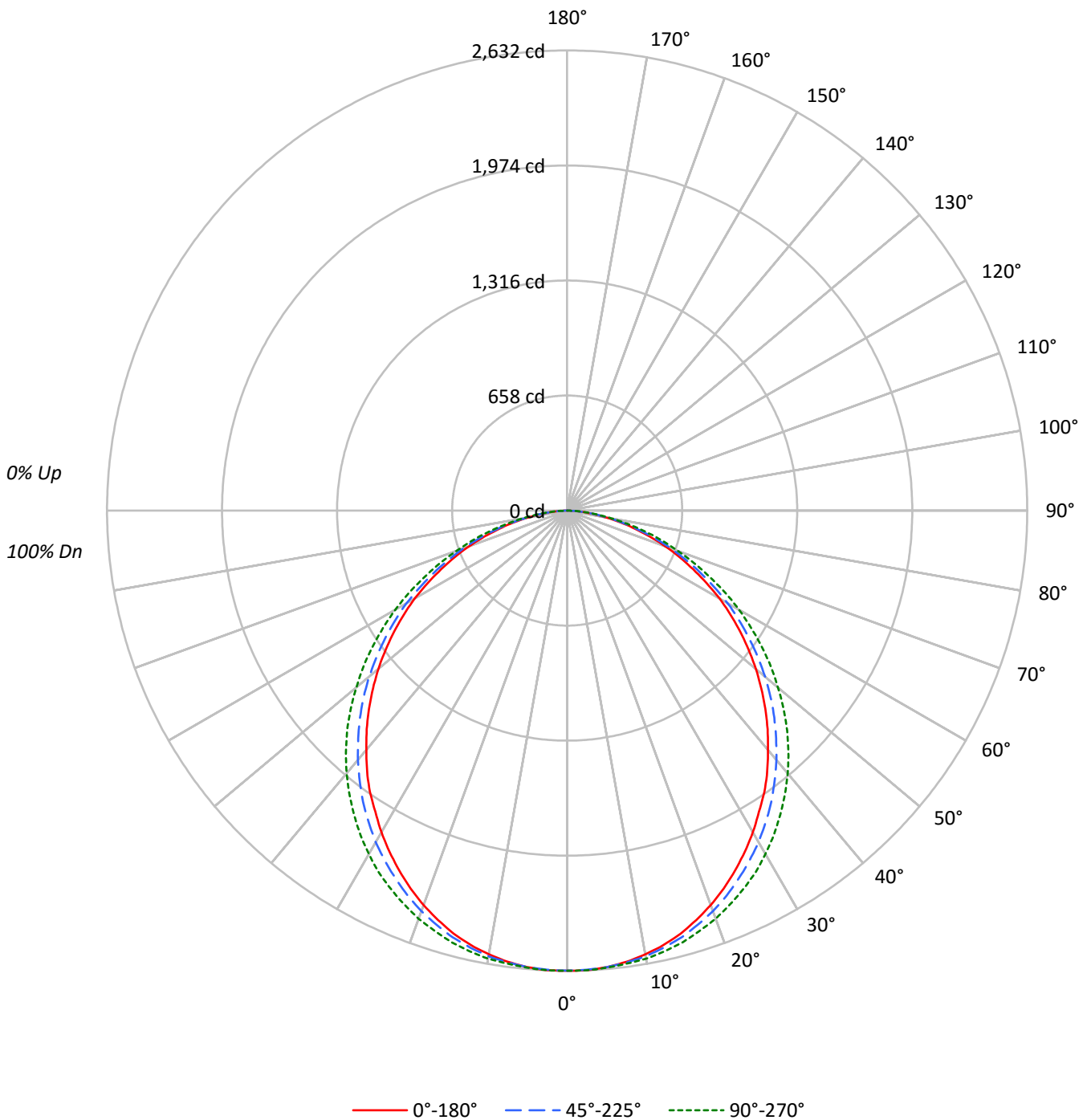
Lumens per Lamp: N/A
Luminaire Lumens: 7147.4 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 61.1
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	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°	7082	7082	7082
5°	7080	7080	7089
10°	7044	7073	7113
15°	6981	7041	7121
20°	6877	6981	7114
25°	6747	6896	7088
30°	6602	6803	7049
35°	6460	6685	6980
40°	6277	6542	6896
45°	6102	6376	6773
50°	5900	6186	6592
55°	5667	5954	6376
60°	5418	5708	6114
65°	5060	5357	5723
70°	4696	4950	5290
75°	4187	4410	4785
80°	3510	3677	4012
85°	2665	2665	2998



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.1	3.5
10°-20°	712.7	10.0
20°-30°	1071.6	15.0
30°-40°	1274.8	17.8
40°-50°	1297.2	18.1
50°-60°	1141.6	16.0
60°-70°	837.4	11.7
70°-80°	454.5	6.4
80°-90°	108.5	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°	2033.4	28.4
0°-40°	3308.2	46.3
0°-60°	5747.0	80.4
0°-90°	7147.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7147.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2632	2632	2632	2632	2632	
5°	2621	2617	2621	2621	2624	249
15°	2506	2510	2528	2542	2556	706
25°	2272	2287	2322	2362	2387	1046
35°	1967	1981	2035	2096	2125	1228
45°	1604	1618	1675	1747	1780	1236
55°	1208	1226	1269	1330	1359	1080
65°	795	809	841	877	899	790
75°	403	410	424	446	460	428
85°	86	86	86	94	97	104
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2631.7	2631.7	2631.7	2631.7	2631.7
2.5°	2631.7	2628.1	2628.1	2628.1	2631.7
5°	2620.9	2617.4	2620.9	2620.9	2624.5
7.5°	2603.0	2599.4	2606.6	2610.2	2613.8
10°	2577.8	2577.8	2588.6	2595.8	2603.0
12.5°	2545.4	2549.0	2559.8	2570.6	2581.4
15°	2505.9	2509.5	2527.5	2541.9	2556.2
17.5°	2455.6	2462.8	2484.3	2505.9	2520.3
20°	2401.6	2412.4	2437.6	2466.3	2484.3
22.5°	2340.5	2354.9	2383.7	2419.6	2437.6
25°	2272.2	2286.6	2322.5	2362.1	2387.3
27.5°	2200.3	2218.3	2257.8	2304.6	2333.3
30°	2124.8	2142.8	2189.5	2239.8	2268.6
32.5°	2042.1	2063.7	2114.0	2171.5	2200.3
35°	1966.6	1981.0	2034.9	2096.0	2124.8
37.5°	1880.3	1898.3	1948.6	2013.3	2045.7
40°	1786.8	1804.8	1862.3	1927.1	1963.0
42.5°	1697.0	1711.3	1768.9	1840.8	1873.1
45°	1603.5	1617.9	1675.4	1747.3	1779.7
47.5°	1506.4	1524.4	1578.3	1646.6	1679.0
50°	1409.3	1423.7	1477.7	1542.4	1574.7
52.5°	1308.7	1323.1	1373.4	1438.1	1470.5
55°	1208.0	1226.0	1269.1	1330.2	1359.0
57.5°	1107.3	1125.3	1164.9	1222.4	1247.6
60°	1006.7	1021.1	1060.6	1110.9	1136.1
62.5°	898.8	909.6	949.1	999.5	1021.1
65°	794.6	808.9	841.3	877.2	898.8
67.5°	697.5	704.7	733.4	773.0	787.4
70°	596.8	604.0	629.2	661.5	672.3
72.5°	496.1	506.9	524.9	553.7	568.1
75°	402.7	409.9	424.2	445.8	460.2
77.5°	312.8	316.4	327.2	345.1	355.9
80°	226.5	230.1	237.3	251.7	258.9
82.5°	151.0	154.6	158.2	165.4	172.6
85°	86.3	86.3	86.3	93.5	97.1
87.5°	32.4	28.8	28.8	28.8	28.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)