

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: P383987

Luminaire Tested: **22ID-75-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-75-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

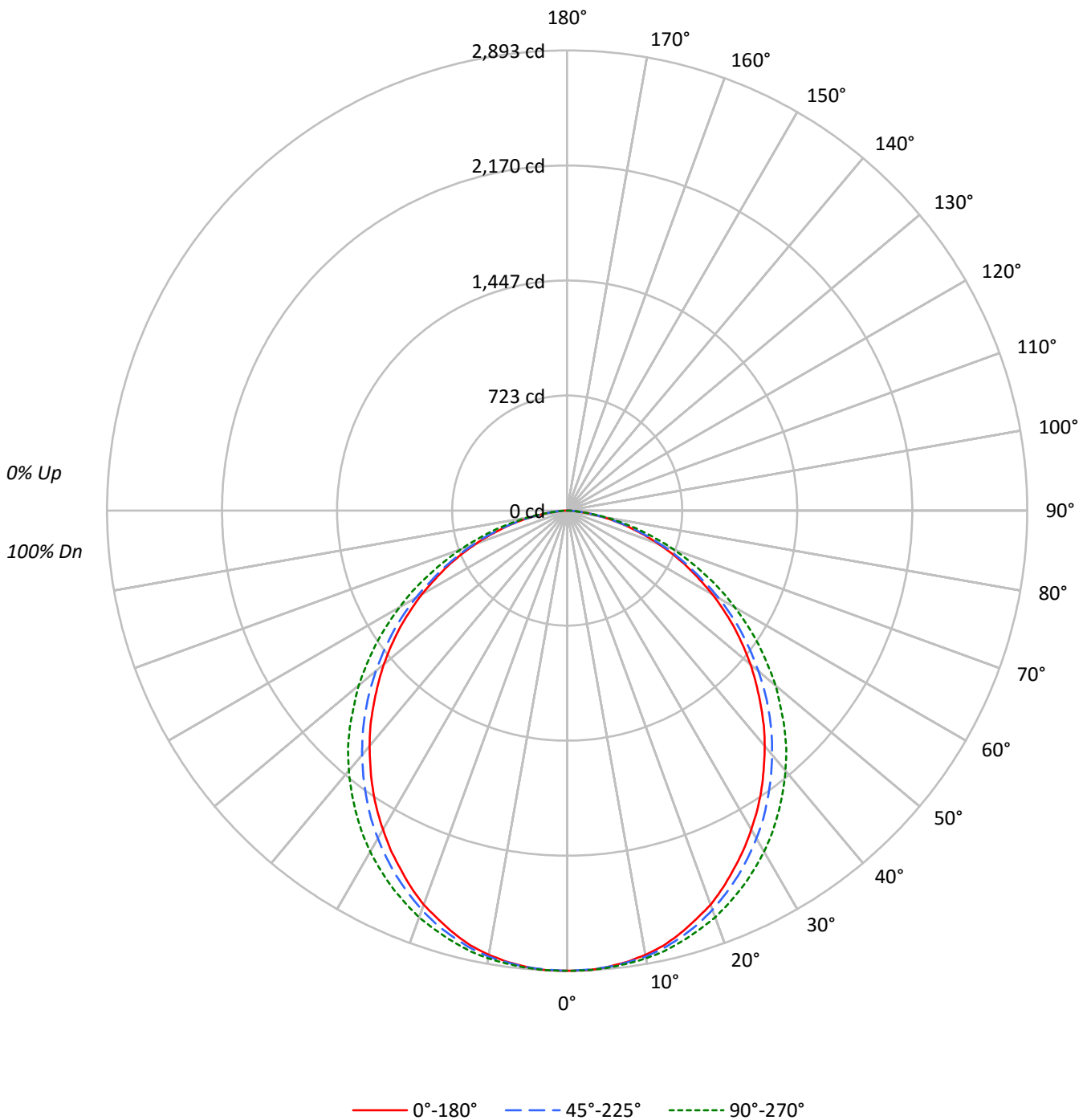
Lumens per Lamp: N/A
Luminaire Lumens: 7637.3 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 65.8
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



TEST NUMBER: P383987
CATALOG NUMBER: 22ID-75-L835-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P383987

CATALOG NUMBER: 22ID-75-L835-CFR2

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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7785	7785	7785
5°	7784	7784	7794
10°	7749	7780	7811
15°	7665	7729	7804
20°	7551	7649	7792
25°	7374	7533	7749
30°	7194	7396	7694
35°	7002	7228	7606
40°	6789	7044	7501
45°	6539	6830	7355
50°	6296	6568	7161
55°	6015	6284	6894
60°	5684	5931	6549
65°	5287	5458	6116
70°	4788	4968	5600
75°	4178	4337	4894
80°	3380	3440	3854
85°	2010	2245	1890



TEST NUMBER: P383987

CATALOG NUMBER: 22ID-75-L835-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.9	3.6
10°-20°	782.8	10.2
20°-30°	1171.0	15.3
30°-40°	1383.5	18.1
40°-50°	1396.0	18.3
50°-60°	1212.3	15.9
60°-70°	869.3	11.4
70°-80°	452.9	5.9
80°-90°	95.6	1.3
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°	2227.7	29.2
0°-40°	3611.2	47.3
0°-60°	6219.5	81.4
0°-90°	7637.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7637.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2893	2893	2893	2893	2893	
5°	2882	2878	2882	2882	2886	274
15°	2752	2755	2774	2794	2801	775
25°	2484	2499	2537	2587	2610	1144
35°	2132	2147	2200	2281	2315	1333
45°	1718	1737	1795	1887	1933	1327
55°	1282	1294	1339	1427	1470	1145
65°	830	827	857	922	960	821
75°	402	398	417	448	471	429
85°	65	73	73	65	61	93
90°	0	0	0	0	0	



TEST NUMBER: P383987

CATALOG NUMBER: 22ID-75-L835-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2893.1	2893.1	2893.1	2893.1	2893.1
2.5°	2893.1	2889.3	2889.3	2889.3	2893.1
5°	2881.6	2877.8	2881.6	2881.6	2885.5
7.5°	2862.5	2858.7	2866.3	2870.1	2874.0
10°	2835.7	2835.7	2847.2	2854.8	2858.7
12.5°	2801.3	2801.3	2816.6	2828.1	2835.7
15°	2751.5	2755.3	2774.5	2793.6	2801.3
17.5°	2694.1	2705.6	2728.6	2755.3	2763.0
20°	2636.7	2644.4	2671.2	2705.6	2720.9
22.5°	2564.0	2575.5	2606.1	2652.0	2667.3
25°	2483.6	2498.9	2537.2	2587.0	2609.9
27.5°	2403.3	2414.8	2460.7	2518.1	2544.9
30°	2315.3	2330.6	2380.3	2445.4	2476.0
32.5°	2227.2	2238.7	2296.1	2365.0	2399.4
35°	2131.6	2146.9	2200.4	2280.8	2315.3
37.5°	2032.1	2051.2	2104.8	2189.0	2227.2
40°	1932.6	1944.0	2005.3	2089.5	2135.4
42.5°	1829.2	1844.5	1902.0	1993.8	2039.7
45°	1718.3	1737.4	1794.8	1886.6	1932.6
47.5°	1611.1	1630.2	1683.8	1775.7	1817.8
50°	1504.0	1515.4	1569.0	1660.9	1710.6
52.5°	1393.0	1404.5	1454.2	1542.2	1588.1
55°	1282.0	1293.5	1339.4	1427.4	1469.5
57.5°	1167.2	1174.8	1220.8	1301.1	1343.2
60°	1056.2	1060.0	1102.1	1174.8	1216.9
62.5°	937.6	941.4	972.0	1056.2	1094.5
65°	830.4	826.6	857.2	922.3	960.5
67.5°	719.5	719.5	746.2	803.6	834.3
70°	608.5	608.5	631.4	681.2	711.8
72.5°	505.1	505.1	524.3	562.5	585.5
75°	401.8	398.0	417.1	447.7	470.7
77.5°	306.1	306.1	313.8	340.6	355.9
80°	218.1	218.1	222.0	237.3	248.7
82.5°	137.8	137.8	137.8	145.4	149.2
85°	65.1	72.7	72.7	65.1	61.2
87.5°	30.6	30.6	26.8	26.8	26.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)