

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: P383985

Luminaire Tested: **22ID-70-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383985
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-70-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

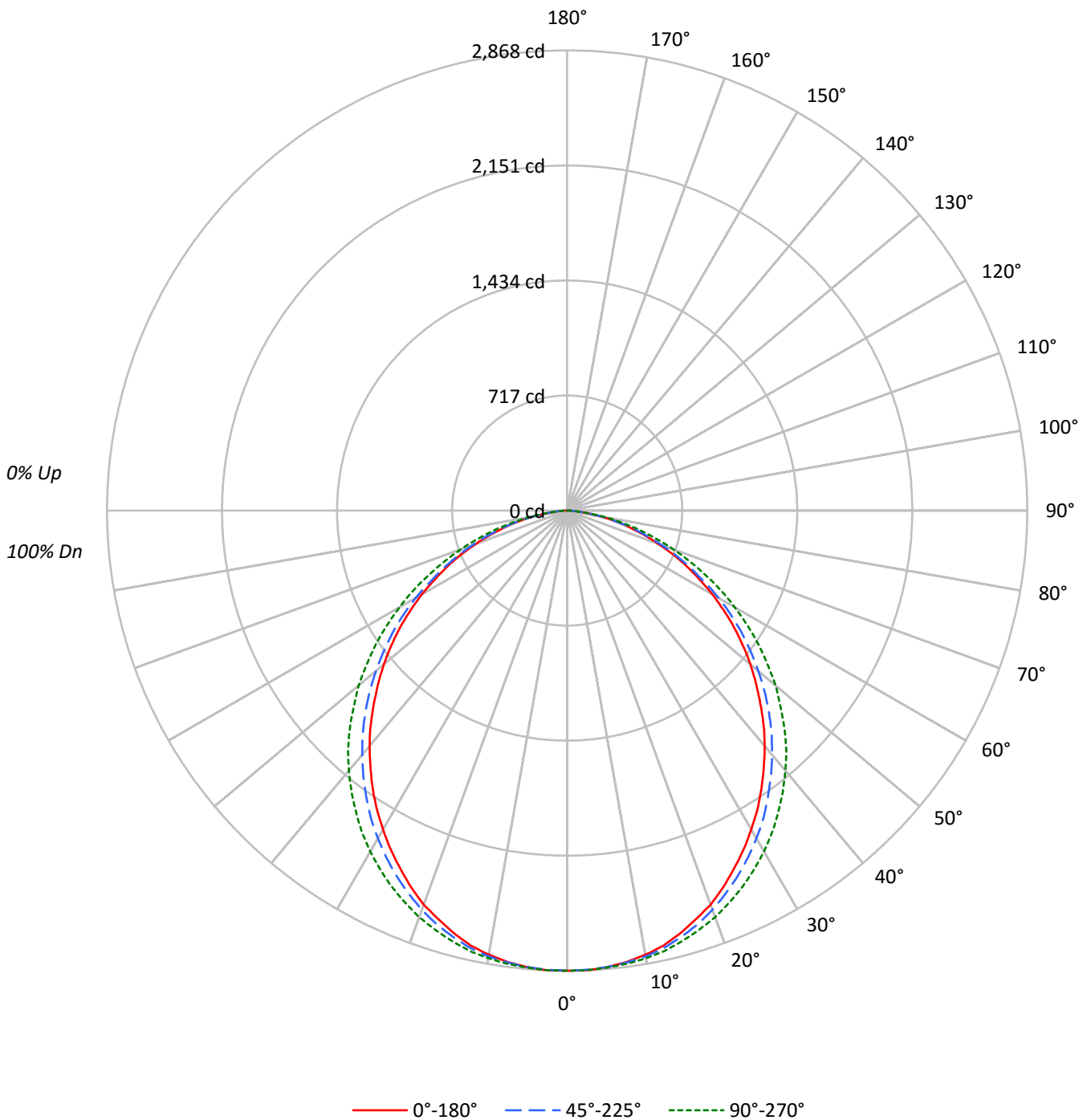
Lumens per Lamp: N/A
Luminaire Lumens: 7569.6 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 61.8
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



TEST NUMBER: P383985
CATALOG NUMBER: 22ID-70-L850-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P383985

CATALOG NUMBER: 22ID-70-L850-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°	7716	7716	7716
5°	7715	7715	7725
10°	7680	7711	7742
15°	7597	7661	7735
20°	7484	7582	7723
25°	7309	7467	7681
30°	7130	7331	7625
35°	6940	7164	7538
40°	6728	6982	7435
45°	6481	6770	7289
50°	6240	6510	7098
55°	5961	6228	6833
60°	5634	5879	6492
65°	5241	5410	6062
70°	4745	4924	5551
75°	4141	4298	4850
80°	3350	3409	3820
85°	1991	2226	1874



TEST NUMBER: P383985

CATALOG NUMBER: 22ID-70-L850-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.5	3.6
10°-20°	775.9	10.2
20°-30°	1160.6	15.3
30°-40°	1371.2	18.1
40°-50°	1383.6	18.3
50°-60°	1201.6	15.9
60°-70°	861.6	11.4
70°-80°	448.9	5.9
80°-90°	94.7	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°	2207.9	29.2
0°-40°	3579.1	47.3
0°-60°	6164.3	81.4
0°-90°	7569.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7569.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2868	2868	2868	2868	2868	
5°	2856	2852	2856	2856	2860	271
15°	2727	2731	2750	2769	2776	768
25°	2462	2477	2515	2564	2587	1134
35°	2113	2128	2181	2261	2295	1321
45°	1703	1722	1779	1870	1915	1315
55°	1271	1282	1328	1415	1456	1135
65°	823	819	850	914	952	814
75°	398	394	413	444	466	425
85°	64	72	72	64	61	92
90°	0	0	0	0	0	



TEST NUMBER: P383985

CATALOG NUMBER: 22ID-70-L850-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2867.5	2867.5	2867.5	2867.5	2867.5
2.5°	2867.5	2863.7	2863.7	2863.7	2867.5
5°	2856.1	2852.3	2856.1	2856.1	2859.9
7.5°	2837.1	2833.3	2840.9	2844.7	2848.5
10°	2810.6	2810.6	2821.9	2829.5	2833.3
12.5°	2776.4	2776.4	2791.6	2803.0	2810.6
15°	2727.1	2730.9	2749.9	2768.8	2776.4
17.5°	2670.2	2681.6	2704.4	2730.9	2738.5
20°	2613.3	2620.9	2647.5	2681.6	2696.8
22.5°	2541.3	2552.7	2583.0	2628.5	2643.7
25°	2461.6	2476.8	2514.7	2564.0	2586.8
27.5°	2382.0	2393.3	2438.9	2495.8	2522.3
30°	2294.7	2309.9	2359.2	2423.7	2454.0
32.5°	2207.5	2218.9	2275.8	2344.0	2378.2
35°	2112.7	2127.8	2180.9	2260.6	2294.7
37.5°	2014.1	2033.0	2086.1	2169.6	2207.5
40°	1915.4	1926.8	1987.5	2070.9	2116.5
42.5°	1813.0	1828.2	1885.1	1976.1	2021.6
45°	1703.0	1722.0	1778.9	1869.9	1915.4
47.5°	1596.8	1615.8	1668.9	1759.9	1801.6
50°	1490.6	1502.0	1555.1	1646.1	1695.4
52.5°	1380.6	1392.0	1441.3	1528.6	1574.1
55°	1270.6	1282.0	1327.5	1414.8	1456.5
57.5°	1156.8	1164.4	1209.9	1289.6	1331.3
60°	1046.9	1050.6	1092.4	1164.4	1206.2
62.5°	929.3	933.1	963.4	1046.9	1084.8
65°	823.1	819.3	849.6	914.1	952.0
67.5°	713.1	713.1	739.6	796.5	826.9
70°	603.1	603.1	625.8	675.1	705.5
72.5°	500.7	500.7	519.6	557.6	580.3
75°	398.3	394.5	413.4	443.8	466.5
77.5°	303.4	303.4	311.0	337.6	352.7
80°	216.2	216.2	220.0	235.2	246.5
82.5°	136.5	136.5	136.5	144.1	147.9
85°	64.5	72.1	72.1	64.5	60.7
87.5°	30.3	30.3	26.6	26.6	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)