

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: P383945

Luminaire Tested: **22ID-20-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383945
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-20-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

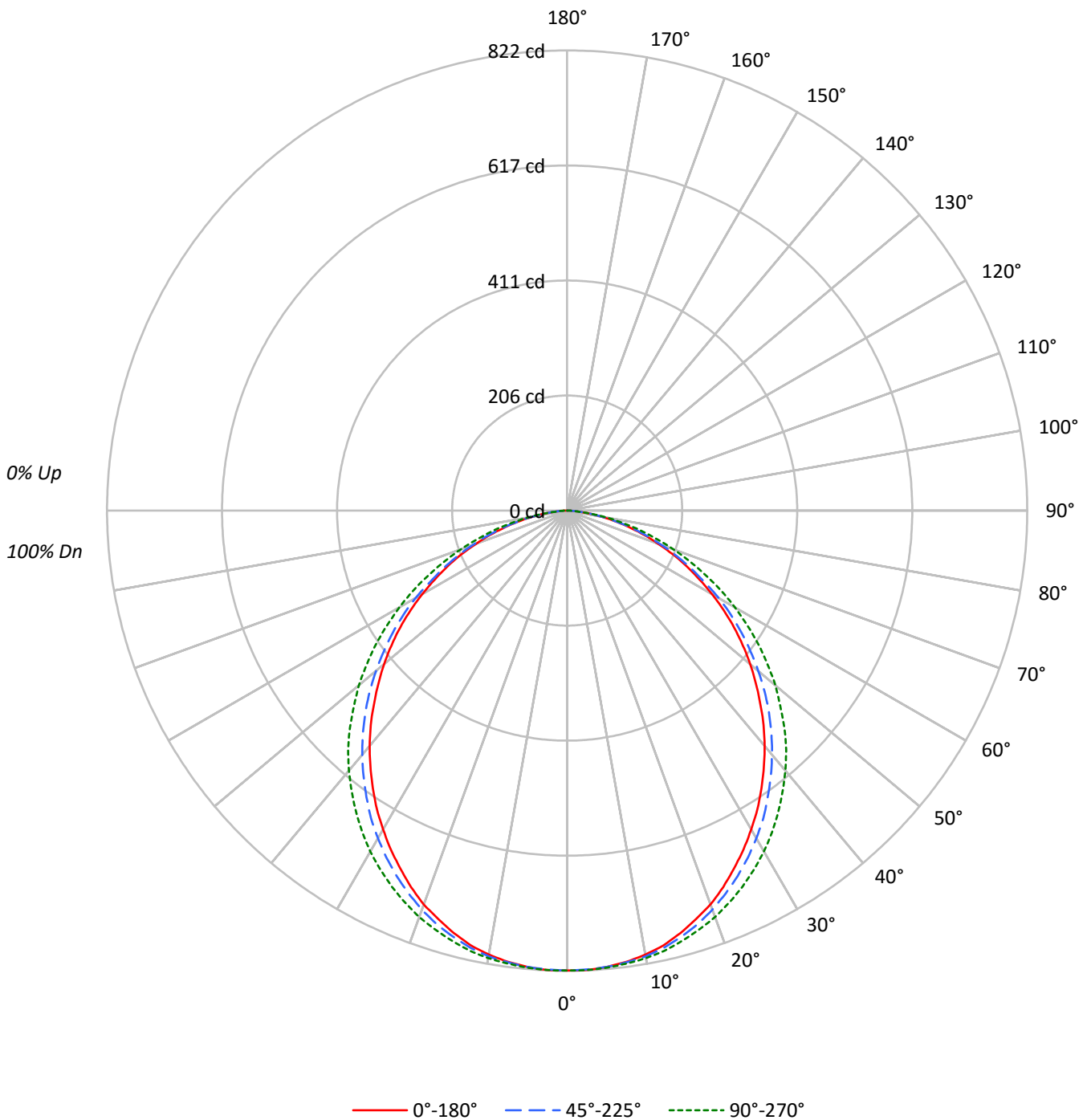
Lumens per Lamp: N/A
Luminaire Lumens: 2168.8 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.3
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	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°	2211	2211	2211
5°	2210	2210	2213
10°	2200	2209	2218
15°	2177	2195	2216
20°	2144	2172	2213
25°	2094	2139	2201
30°	2043	2100	2185
35°	1988	2053	2160
40°	1928	2000	2130
45°	1857	1940	2089
50°	1788	1865	2034
55°	1708	1785	1958
60°	1614	1685	1860
65°	1501	1550	1737
70°	1360	1411	1590
75°	1186	1232	1390
80°	959	976	1094
85°	571	636	537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	3.6
10°-20°	222.3	10.2
20°-30°	332.5	15.3
30°-40°	392.9	18.1
40°-50°	396.4	18.3
50°-60°	344.3	15.9
60°-70°	246.9	11.4
70°-80°	128.6	5.9
80°-90°	27.1	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°	632.6	29.2
0°-40°	1025.5	47.3
0°-60°	1766.2	81.4
0°-90°	2168.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2168.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	822	822	822	822	822	
5°	818	817	818	818	819	78
15°	781	782	788	793	796	220
25°	705	710	720	735	741	325
35°	605	610	625	648	658	378
45°	488	493	510	536	549	377
55°	364	367	380	405	417	325
65°	236	235	243	262	273	233
75°	114	113	118	127	134	122
85°	18	21	21	18	17	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	821.6	821.6	821.6	821.6	821.6
2.5°	821.6	820.5	820.5	820.5	821.6
5°	818.3	817.2	818.3	818.3	819.4
7.5°	812.9	811.8	814.0	815.0	816.1
10°	805.3	805.3	808.5	810.7	811.8
12.5°	795.5	795.5	799.8	803.1	805.3
15°	781.4	782.4	787.9	793.3	795.5
17.5°	765.1	768.3	774.8	782.4	784.6
20°	748.8	750.9	758.5	768.3	772.7
22.5°	728.1	731.4	740.1	753.1	757.5
25°	705.3	709.6	720.5	734.6	741.2
27.5°	682.5	685.7	698.8	715.1	722.7
30°	657.5	661.8	675.9	694.4	703.1
32.5°	632.5	635.7	652.0	671.6	681.4
35°	605.3	609.7	624.9	647.7	657.5
37.5°	577.1	582.5	597.7	621.6	632.5
40°	548.8	552.1	569.4	593.4	606.4
42.5°	519.5	523.8	540.1	566.2	579.2
45°	487.9	493.4	509.7	535.8	548.8
47.5°	457.5	462.9	478.2	504.2	516.2
50°	427.1	430.3	445.6	471.6	485.8
52.5°	395.6	398.8	413.0	438.0	451.0
55°	364.1	367.3	380.4	405.4	417.3
57.5°	331.5	333.6	346.7	369.5	381.4
60°	299.9	301.0	313.0	333.6	345.6
62.5°	266.2	267.3	276.0	299.9	310.8
65°	235.8	234.7	243.4	261.9	272.8
67.5°	204.3	204.3	211.9	228.2	236.9
70°	172.8	172.8	179.3	193.4	202.1
72.5°	143.4	143.4	148.9	159.7	166.3
75°	114.1	113.0	118.5	127.1	133.7
77.5°	86.9	86.9	89.1	96.7	101.1
80°	61.9	61.9	63.0	67.4	70.6
82.5°	39.1	39.1	39.1	41.3	42.4
85°	18.5	20.6	20.6	18.5	17.4
87.5°	8.7	8.7	7.6	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)