

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: P383889

Luminaire Tested: **14ID-20-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383889
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: 14ID-20-L850-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

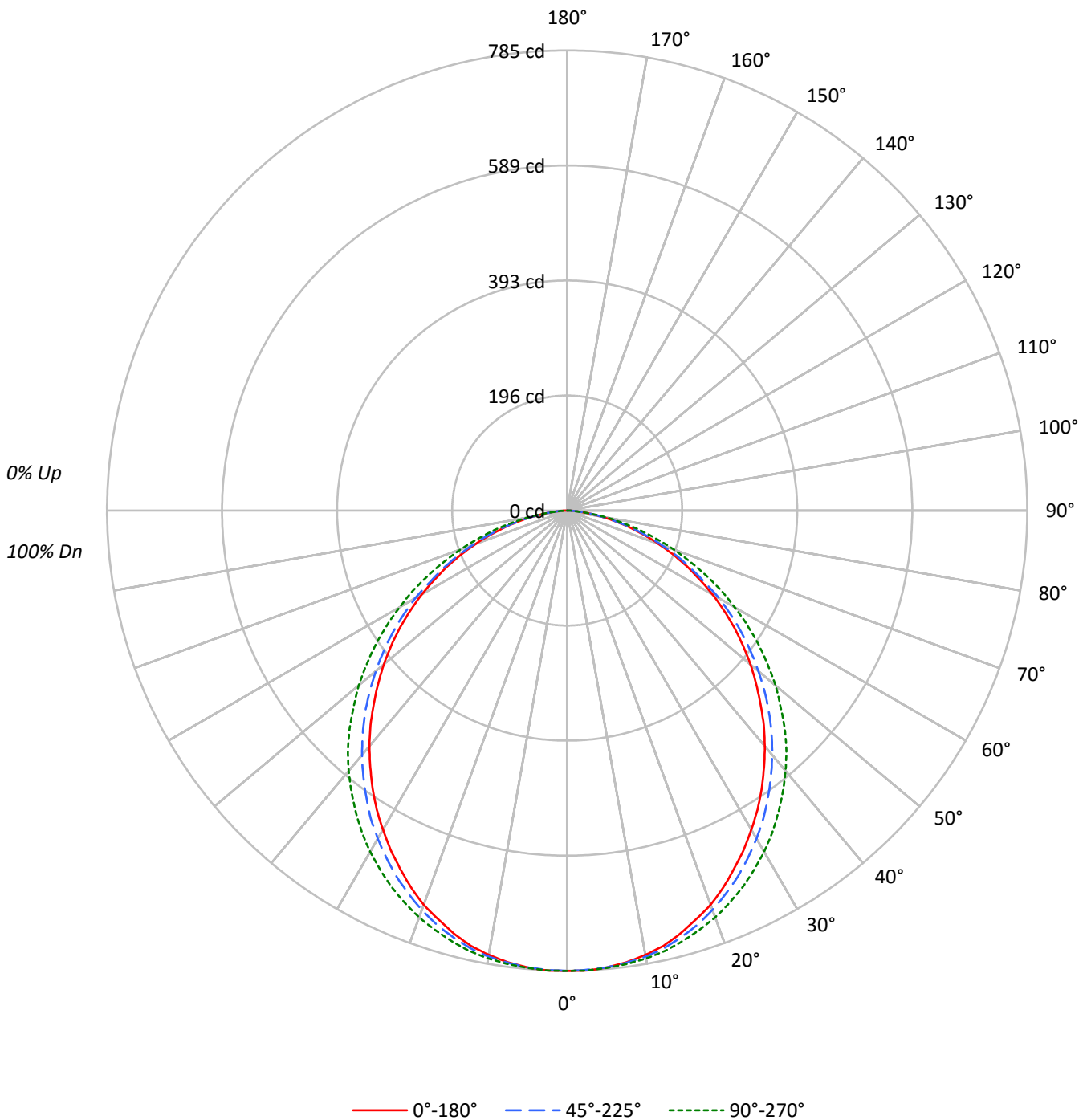
Lumens per Lamp: N/A
Luminaire Lumens: 2073.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.5
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



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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°	2113	2113	2113
5°	2113	2113	2116
10°	2103	2112	2120
15°	2081	2098	2118
20°	2050	2076	2115
25°	2002	2045	2103
30°	1953	2008	2088
35°	1901	1962	2064
40°	1843	1912	2036
45°	1775	1854	1996
50°	1709	1783	1944
55°	1633	1706	1871
60°	1543	1610	1778
65°	1435	1482	1660
70°	1300	1349	1520
75°	1134	1177	1329
80°	917	933	1046
85°	546	608	513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	3.6
10°-20°	212.5	10.2
20°-30°	317.8	15.3
30°-40°	375.5	18.1
40°-50°	378.9	18.3
50°-60°	329.1	15.9
60°-70°	236.0	11.4
70°-80°	122.9	5.9
80°-90°	26.0	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°	604.7	29.2
0°-40°	980.2	47.3
0°-60°	1688.2	81.4
0°-90°	2073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2073.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	782	781	782	782	783	74
15°	747	748	753	758	760	210
25°	674	678	689	702	708	311
35°	579	583	597	619	628	362
45°	466	472	487	512	525	360
55°	348	351	364	387	399	311
65°	225	224	233	250	261	223
75°	109	108	113	122	128	116
85°	18	20	20	18	17	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	785.3	785.3	785.3	785.3	785.3
2.5°	785.3	784.2	784.2	784.2	785.3
5°	782.2	781.1	782.2	782.2	783.2
7.5°	777.0	775.9	778.0	779.0	780.1
10°	769.7	769.7	772.8	774.9	775.9
12.5°	760.4	760.4	764.5	767.6	769.7
15°	746.8	747.9	753.1	758.3	760.4
17.5°	731.3	734.4	740.6	747.9	750.0
20°	715.7	717.8	725.0	734.4	738.5
22.5°	695.9	699.1	707.4	719.8	724.0
25°	674.1	678.3	688.7	702.2	708.4
27.5°	652.3	655.4	667.9	683.5	690.8
30°	628.4	632.6	646.1	663.7	672.1
32.5°	604.5	607.7	623.2	641.9	651.3
35°	578.6	582.7	597.3	619.1	628.4
37.5°	551.6	556.8	571.3	594.2	604.5
40°	524.6	527.7	544.3	567.1	579.6
42.5°	496.5	500.7	516.2	541.2	553.6
45°	466.4	471.6	487.2	512.1	524.6
47.5°	437.3	442.5	457.0	482.0	493.4
50°	408.2	411.3	425.9	450.8	464.3
52.5°	378.1	381.2	394.7	418.6	431.1
55°	348.0	351.1	363.6	387.4	398.9
57.5°	316.8	318.9	331.4	353.2	364.6
60°	286.7	287.7	299.2	318.9	330.3
62.5°	254.5	255.5	263.8	286.7	297.1
65°	225.4	224.4	232.7	250.3	260.7
67.5°	195.3	195.3	202.6	218.1	226.4
70°	165.2	165.2	171.4	184.9	193.2
72.5°	137.1	137.1	142.3	152.7	158.9
75°	109.1	108.0	113.2	121.5	127.8
77.5°	83.1	83.1	85.2	92.4	96.6
80°	59.2	59.2	60.2	64.4	67.5
82.5°	37.4	37.4	37.4	39.5	40.5
85°	17.7	19.7	19.7	17.7	16.6
87.5°	8.3	8.3	7.3	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)