

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: P383809

Luminaire Tested: **22ID-60-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383809
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-60-L850-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6452.6 lumens
Efficiency: N/A
Efficacy: 125.5 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

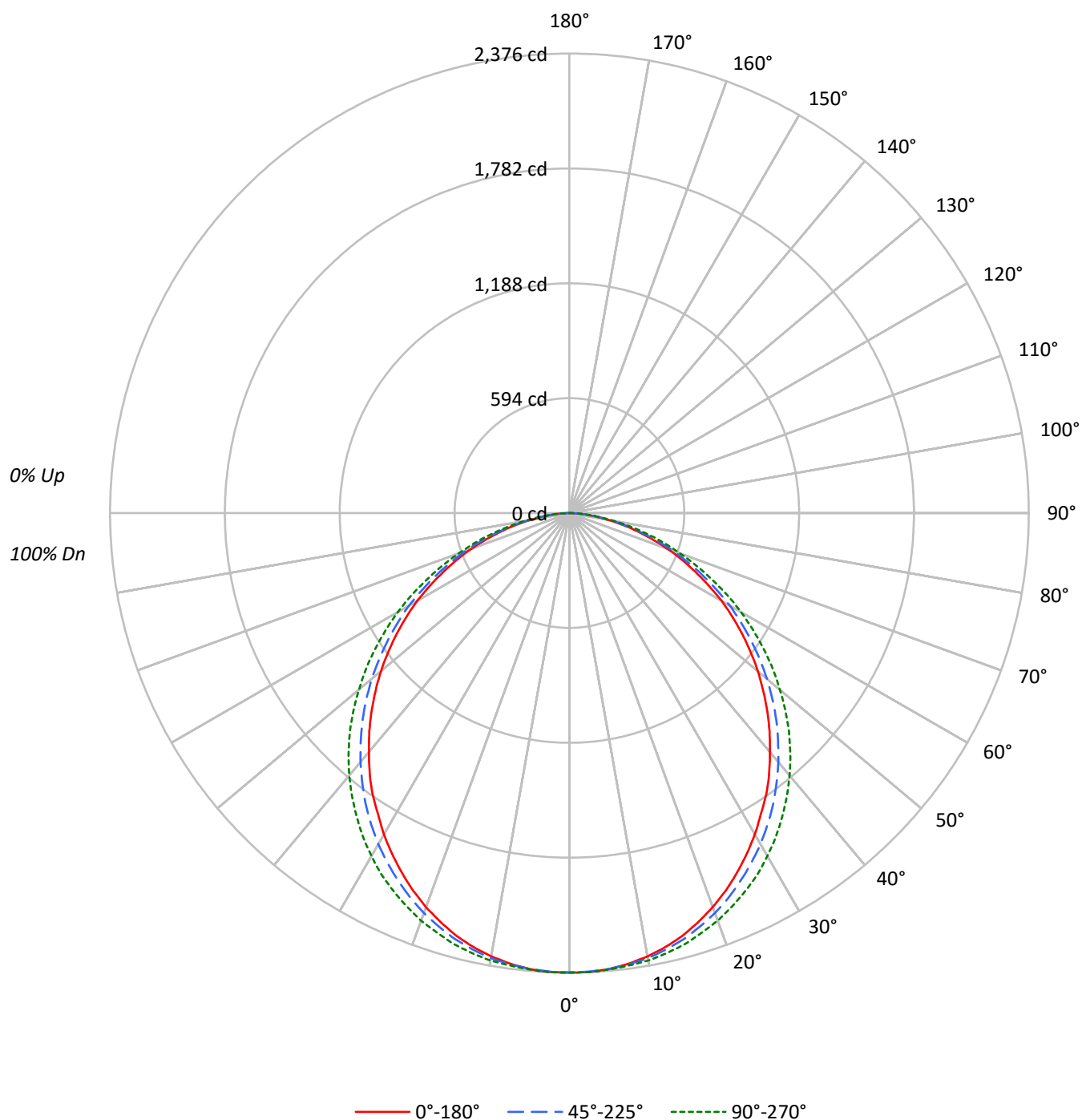
Input Watts (W): 51.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84		84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71		71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60		60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51		51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44		44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39		39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34		34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31		31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28		28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6393	6393	6393
5°	6392	6392	6400
10°	6359	6386	6421
15°	6303	6357	6429
20°	6209	6302	6423
25°	6091	6226	6399
30°	5960	6142	6364
35°	5832	6035	6301
40°	5667	5906	6225
45°	5509	5756	6114
50°	5326	5585	5951
55°	5117	5376	5756
60°	4891	5153	5520
65°	4567	4836	5167
70°	4239	4469	4776
75°	3779	3982	4320
80°	3169	3319	3622
85°	2405	2405	2705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.9	3.5
10°-20°	643.4	10.0
20°-30°	967.5	15.0
30°-40°	1150.9	17.8
40°-50°	1171.1	18.1
50°-60°	1030.6	16.0
60°-70°	756.0	11.7
70°-80°	410.3	6.4
80°-90°	97.9	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°	1835.8	28.4
0°-40°	2986.6	46.3
0°-60°	5188.3	80.4
0°-90°	6452.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6452.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2376	2376	2376	2376	2376	
5°	2366	2363	2366	2366	2369	225
15°	2262	2266	2282	2295	2308	637
25°	2051	2064	2097	2132	2155	945
35°	1775	1788	1837	1892	1918	1109
45°	1448	1461	1512	1577	1607	1116
55°	1091	1107	1146	1201	1227	975
65°	717	730	760	792	811	713
75°	364	370	383	402	416	386
85°	78	78	78	84	88	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2375.9	2375.9	2375.9	2375.9	2375.9
2.5°	2375.9	2372.7	2372.7	2372.7	2375.9
5°	2366.2	2362.9	2366.2	2366.2	2369.4
7.5°	2349.9	2346.7	2353.2	2356.4	2359.7
10°	2327.2	2327.2	2337.0	2343.4	2349.9
12.5°	2298.0	2301.2	2311.0	2320.7	2330.5
15°	2262.3	2265.5	2281.8	2294.8	2307.7
17.5°	2216.9	2223.3	2242.8	2262.3	2275.3
20°	2168.2	2177.9	2200.6	2226.6	2242.8
22.5°	2113.0	2126.0	2151.9	2184.4	2200.6
25°	2051.3	2064.3	2096.8	2132.5	2155.2
27.5°	1986.4	2002.6	2038.3	2080.5	2106.5
30°	1918.2	1934.5	1976.7	2022.1	2048.1
32.5°	1843.6	1863.1	1908.5	1960.4	1986.4
35°	1775.4	1788.4	1837.1	1892.3	1918.2
37.5°	1697.5	1713.8	1759.2	1817.6	1846.8
40°	1613.1	1629.4	1681.3	1739.7	1772.2
42.5°	1532.0	1545.0	1596.9	1661.8	1691.0
45°	1447.6	1460.6	1512.5	1577.4	1606.7
47.5°	1360.0	1376.2	1424.9	1486.6	1515.8
50°	1272.3	1285.3	1334.0	1392.4	1421.6
52.5°	1181.5	1194.4	1239.9	1298.3	1327.5
55°	1090.6	1106.8	1145.8	1200.9	1226.9
57.5°	999.7	1015.9	1051.6	1103.6	1126.3
60°	908.8	921.8	957.5	1002.9	1025.7
62.5°	811.4	821.2	856.9	902.3	921.8
65°	717.3	730.3	759.5	792.0	811.4
67.5°	629.7	636.2	662.1	697.8	710.8
70°	538.8	545.3	568.0	597.2	607.0
72.5°	447.9	457.7	473.9	499.8	512.8
75°	363.5	370.0	383.0	402.5	415.5
77.5°	282.4	285.6	295.4	311.6	321.3
80°	204.5	207.7	214.2	227.2	233.7
82.5°	136.3	139.6	142.8	149.3	155.8
85°	77.9	77.9	77.9	84.4	87.6
87.5°	29.2	26.0	26.0	26.0	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)