

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: P383918

Luminaire Tested: **14ID-60-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383918
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-60-L830-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5986.1 lumens
Efficiency: N/A
Efficacy: 112.3 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

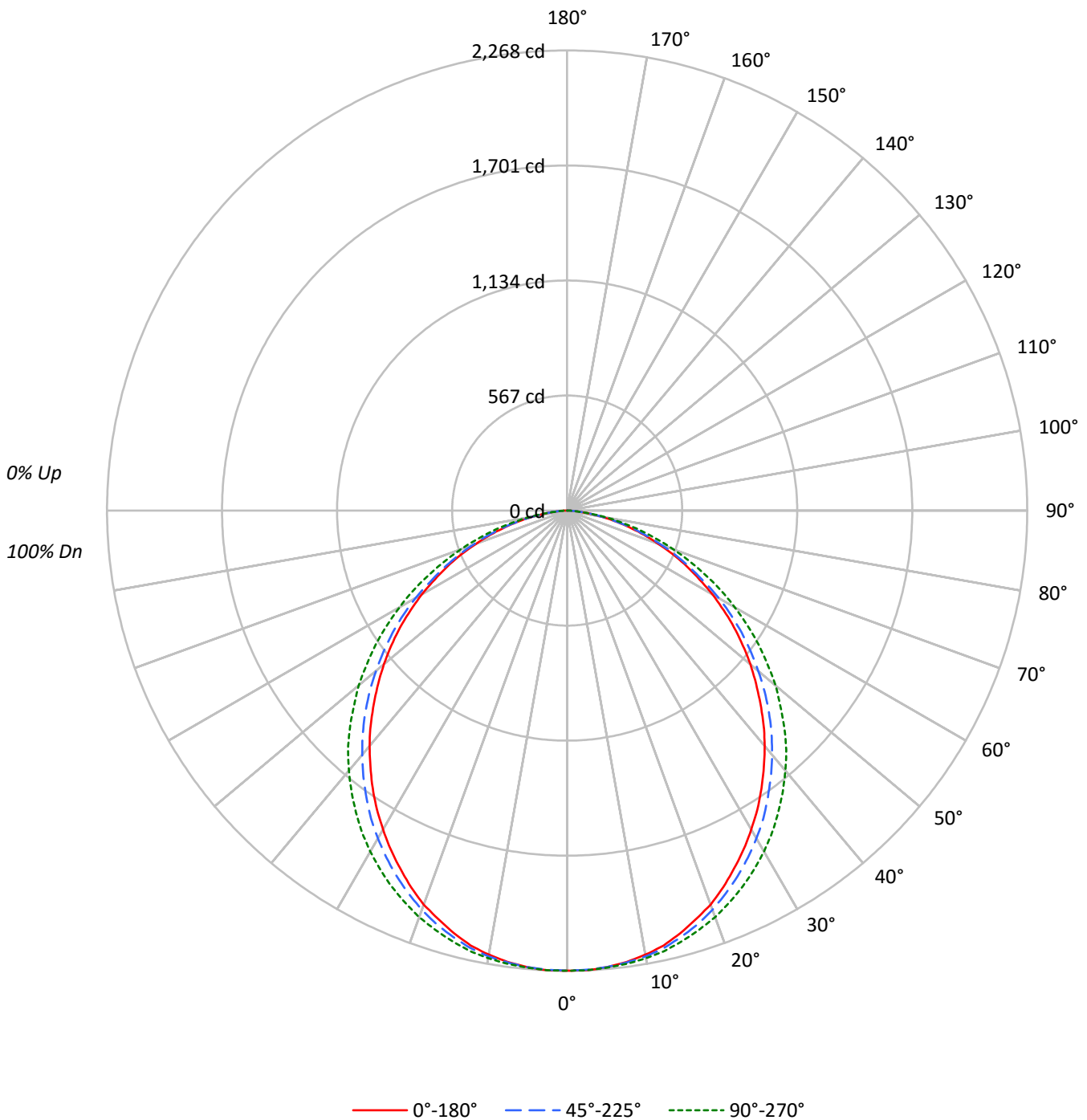
Input Watts (W): 53.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6102	6102	6102
5°	6101	6101	6109
10°	6073	6098	6122
15°	6008	6058	6117
20°	5918	5995	6107
25°	5780	5905	6074
30°	5639	5797	6030
35°	5488	5666	5961
40°	5321	5521	5879
45°	5125	5354	5764
50°	4935	5148	5613
55°	4714	4925	5404
60°	4456	4649	5133
65°	4145	4278	4794
70°	3752	3894	4389
75°	3274	3399	3836
80°	2650	2696	3022
85°	1575	1760	1482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.7	3.6
10°-20°	613.6	10.2
20°-30°	917.8	15.3
30°-40°	1084.4	18.1
40°-50°	1094.2	18.3
50°-60°	950.2	15.9
60°-70°	681.4	11.4
70°-80°	355.0	5.9
80°-90°	74.9	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°	1746.0	29.2
0°-40°	2830.4	47.3
0°-60°	4874.8	81.4
0°-90°	5986.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5986.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2268	2268	2268	2268	2268	
5°	2259	2256	2259	2259	2262	214
15°	2157	2160	2175	2190	2196	608
25°	1947	1959	1989	2028	2046	897
35°	1671	1683	1725	1788	1815	1044
45°	1347	1362	1407	1479	1515	1040
55°	1005	1014	1050	1119	1152	897
65°	651	648	672	723	753	644
75°	315	312	327	351	369	336
85°	51	57	57	51	48	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2267.6	2267.6	2267.6	2267.6	2267.6
2.5°	2267.6	2264.6	2264.6	2264.6	2267.6
5°	2258.6	2255.6	2258.6	2258.6	2261.6
7.5°	2243.6	2240.6	2246.6	2249.6	2252.6
10°	2222.6	2222.6	2231.6	2237.6	2240.6
12.5°	2195.6	2195.6	2207.6	2216.6	2222.6
15°	2156.6	2159.6	2174.6	2189.6	2195.6
17.5°	2111.6	2120.6	2138.6	2159.6	2165.6
20°	2066.6	2072.6	2093.6	2120.6	2132.6
22.5°	2009.7	2018.7	2042.7	2078.6	2090.6
25°	1946.7	1958.7	1988.7	2027.7	2045.7
27.5°	1883.7	1892.7	1928.7	1973.7	1994.7
30°	1814.7	1826.7	1865.7	1916.7	1940.7
32.5°	1745.7	1754.7	1799.7	1853.7	1880.7
35°	1670.7	1682.7	1724.7	1787.7	1814.7
37.5°	1592.7	1607.7	1649.7	1715.7	1745.7
40°	1514.7	1523.7	1571.7	1637.7	1673.7
42.5°	1433.8	1445.8	1490.7	1562.7	1598.7
45°	1346.8	1361.8	1406.8	1478.7	1514.7
47.5°	1262.8	1277.8	1319.8	1391.8	1424.8
50°	1178.8	1187.8	1229.8	1301.8	1340.8
52.5°	1091.8	1100.8	1139.8	1208.8	1244.8
55°	1004.8	1013.8	1049.8	1118.8	1151.8
57.5°	914.8	920.8	956.8	1019.8	1052.8
60°	827.9	830.9	863.9	920.8	953.8
62.5°	734.9	737.9	761.9	827.9	857.9
65°	650.9	647.9	671.9	722.9	752.9
67.5°	563.9	563.9	584.9	629.9	653.9
70°	476.9	476.9	494.9	533.9	557.9
72.5°	395.9	395.9	410.9	440.9	458.9
75°	314.9	311.9	326.9	350.9	368.9
77.5°	240.0	240.0	246.0	267.0	279.0
80°	171.0	171.0	174.0	186.0	195.0
82.5°	108.0	108.0	108.0	114.0	117.0
85°	51.0	57.0	57.0	51.0	48.0
87.5°	24.0	24.0	21.0	21.0	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)