

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: P385095

Luminaire Tested: **14ID-60-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-60-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6062.8 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

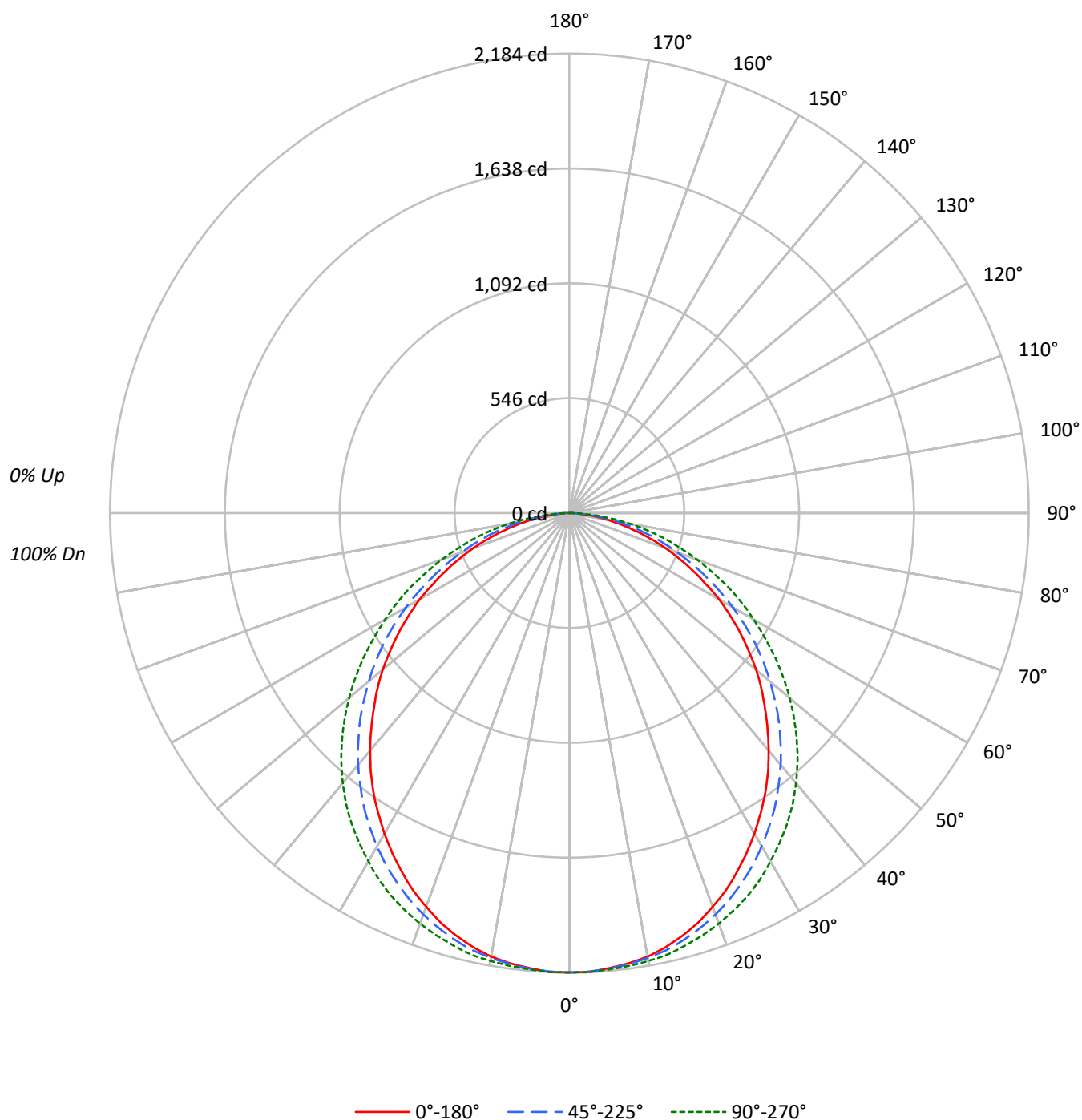
Input Watts (W): 53.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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		
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70		
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59		
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50		
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44		
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38		
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34		
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30		
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27		
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5876	5876	5876
5°	5866	5874	5882
10°	5850	5866	5908
15°	5794	5853	5930
20°	5701	5815	5947
25°	5594	5757	5957
30°	5464	5683	5939
35°	5335	5596	5928
40°	5178	5490	5887
45°	5005	5366	5819
50°	4852	5211	5723
55°	4649	5050	5596
60°	4428	4839	5448
65°	4129	4557	5297
70°	3802	4283	5077
75°	3371	3975	4865
80°	2844	3555	4502
85°	2078	2739	3588



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.7	3.4
10°-20°	593.0	9.8
20°-30°	894.4	14.8
30°-40°	1067.7	17.6
40°-50°	1091.3	18.0
50°-60°	967.6	16.0
60°-70°	721.3	11.9
70°-80°	412.1	6.8
80°-90°	108.7	1.8
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°	1694.1	27.9
0°-40°	2761.8	45.6
0°-60°	4820.7	79.5
0°-90°	6062.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6062.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2184	2184	2184	2184	2184	
5°	2171	2171	2174	2174	2178	206
15°	2080	2086	2101	2119	2129	586
25°	1884	1899	1939	1982	2006	867
35°	1624	1645	1704	1771	1804	1015
45°	1315	1343	1410	1486	1529	1016
55°	991	1009	1076	1153	1193	885
65°	648	664	716	789	832	643
75°	324	340	382	440	468	346
85°	67	70	89	110	116	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2183.6	2183.6	2183.6	2183.6	2183.6
2.5°	2183.6	2180.6	2180.6	2180.6	2183.6
5°	2171.4	2171.4	2174.4	2174.4	2177.5
7.5°	2159.1	2159.1	2162.2	2165.3	2171.4
10°	2140.8	2140.8	2146.9	2156.1	2162.2
12.5°	2113.3	2116.3	2128.6	2140.8	2150.0
15°	2079.6	2085.7	2101.0	2119.4	2128.6
17.5°	2039.9	2046.0	2067.4	2091.9	2104.1
20°	1990.9	2003.2	2030.7	2061.3	2076.6
22.5°	1942.0	1954.2	1987.9	2024.6	2042.9
25°	1883.9	1899.2	1938.9	1981.8	2006.2
27.5°	1822.7	1841.1	1887.0	1935.9	1963.4
30°	1758.5	1779.9	1828.8	1883.9	1911.4
32.5°	1691.2	1712.6	1767.7	1828.8	1859.4
35°	1623.9	1645.4	1703.5	1770.7	1804.4
37.5°	1550.5	1572.0	1633.1	1706.5	1743.2
40°	1474.1	1498.6	1562.8	1636.2	1675.9
42.5°	1394.6	1422.1	1486.3	1565.8	1605.6
45°	1315.1	1342.6	1409.9	1486.3	1529.1
47.5°	1238.6	1260.0	1327.3	1406.8	1449.6
50°	1159.1	1177.4	1244.7	1324.2	1367.0
52.5°	1073.5	1097.9	1162.1	1241.7	1281.4
55°	990.9	1009.2	1076.5	1153.0	1192.7
57.5°	905.2	923.6	987.8	1064.3	1101.0
60°	822.7	841.0	899.1	975.6	1012.3
62.5°	730.9	749.3	807.4	886.9	923.6
65°	648.4	663.6	715.6	789.0	831.9
67.5°	565.8	581.1	630.0	700.3	734.0
70°	483.2	495.4	544.4	608.6	645.3
72.5°	403.7	415.9	464.9	523.0	553.5
75°	324.2	339.5	382.3	440.4	467.9
77.5°	250.8	266.1	302.8	354.8	379.2
80°	183.5	195.7	229.4	269.1	290.5
82.5°	122.3	131.5	156.0	189.6	204.9
85°	67.3	70.3	88.7	110.1	116.2
87.5°	27.5	27.5	33.6	36.7	39.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)