

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: P383807

Luminaire Tested: **22ID-60-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383807
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-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

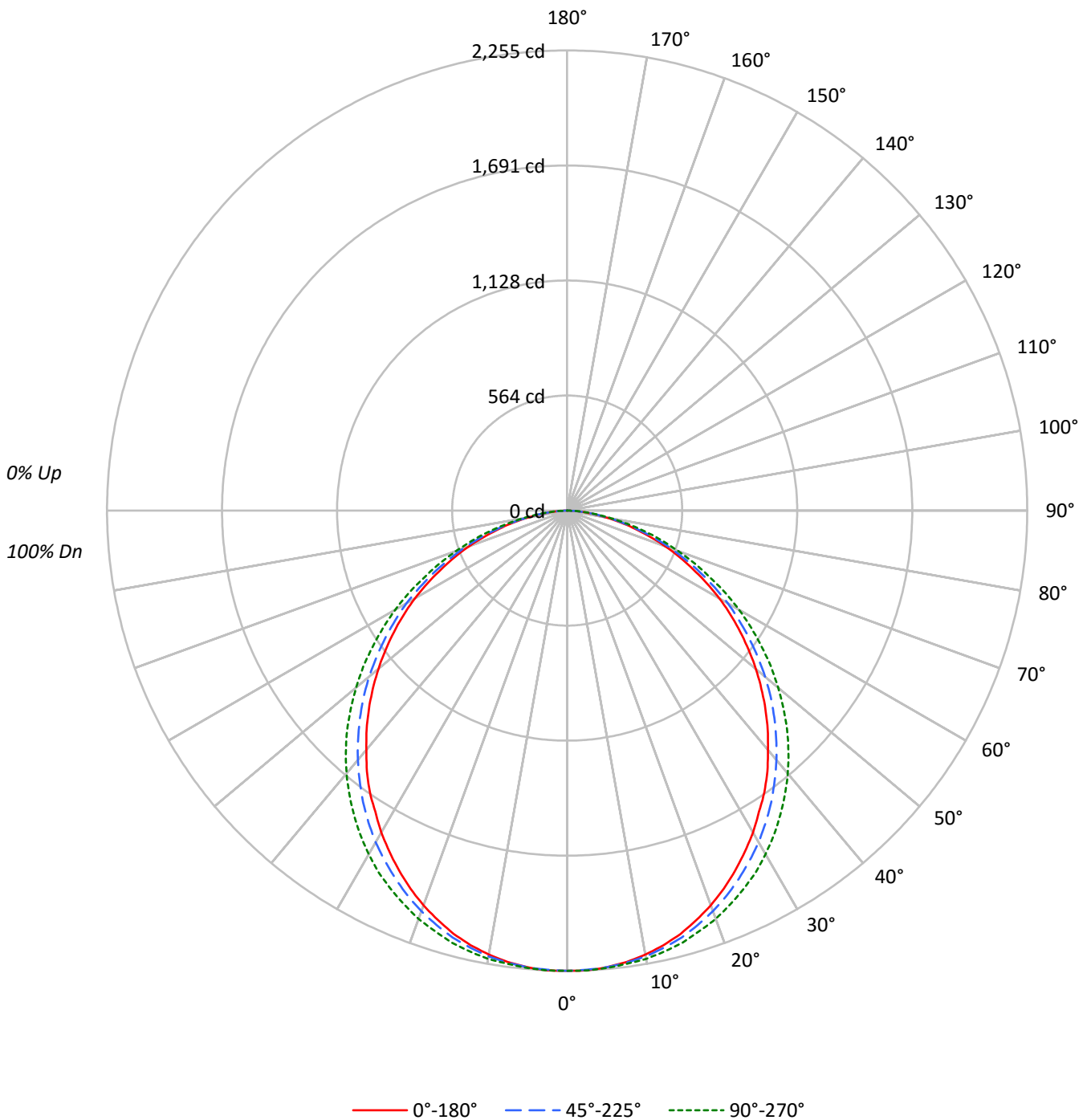
Lumens per Lamp: N/A
Luminaire Lumens: 6125.4 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 50.9
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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6069	6069	6069
5°	6068	6068	6076
10°	6037	6062	6096
15°	5983	6035	6103
20°	5894	5982	6097
25°	5782	5910	6075
30°	5658	5830	6041
35°	5537	5729	5982
40°	5379	5607	5910
45°	5230	5464	5804
50°	5056	5302	5650
55°	4857	5103	5464
60°	4643	4892	5240
65°	4336	4591	4905
70°	4024	4242	4533
75°	3588	3780	4101
80°	3008	3152	3437
85°	2282	2282	2569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.5	3.5
10°-20°	610.8	10.0
20°-30°	918.4	15.0
30°-40°	1092.5	17.8
40°-50°	1111.7	18.1
50°-60°	978.4	16.0
60°-70°	717.7	11.7
70°-80°	389.5	6.4
80°-90°	92.9	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°	1742.7	28.4
0°-40°	2835.2	46.3
0°-60°	4925.2	80.4
0°-90°	6125.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6125.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2255	2255	2255	2255	2255	
5°	2246	2243	2246	2246	2249	213
15°	2148	2151	2166	2178	2191	605
25°	1947	1960	1990	2024	2046	897
35°	1685	1698	1744	1796	1821	1052
45°	1374	1386	1436	1498	1525	1059
55°	1035	1051	1088	1140	1165	926
65°	681	693	721	752	770	677
75°	345	351	364	382	394	367
85°	74	74	74	80	83	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2255.4	2255.4	2255.4	2255.4	2255.4
2.5°	2255.4	2252.3	2252.3	2252.3	2255.4
5°	2246.2	2243.1	2246.2	2246.2	2249.3
7.5°	2230.8	2227.7	2233.9	2236.9	2240.0
10°	2209.2	2209.2	2218.4	2224.6	2230.8
12.5°	2181.5	2184.6	2193.8	2203.0	2212.3
15°	2147.6	2150.7	2166.1	2178.4	2190.7
17.5°	2104.4	2110.6	2129.1	2147.6	2159.9
20°	2058.2	2067.5	2089.0	2113.7	2129.1
22.5°	2005.8	2018.2	2042.8	2073.6	2089.0
25°	1947.3	1959.6	1990.4	2024.3	2045.9
27.5°	1885.7	1901.1	1935.0	1975.0	1999.7
30°	1821.0	1836.4	1876.4	1919.6	1944.2
32.5°	1750.1	1768.6	1811.7	1861.0	1885.7
35°	1685.4	1697.7	1743.9	1796.3	1821.0
37.5°	1611.5	1626.9	1670.0	1725.5	1753.2
40°	1531.3	1546.8	1596.1	1651.5	1682.3
42.5°	1454.3	1466.6	1515.9	1577.6	1605.3
45°	1374.2	1386.5	1435.8	1497.5	1525.2
47.5°	1291.0	1306.4	1352.6	1411.2	1438.9
50°	1207.8	1220.1	1266.4	1321.8	1349.6
52.5°	1121.5	1133.9	1177.0	1232.5	1260.2
55°	1035.3	1050.7	1087.7	1140.0	1164.7
57.5°	949.0	964.4	998.3	1047.6	1069.2
60°	862.7	875.1	908.9	952.1	973.7
62.5°	770.3	779.5	813.4	856.6	875.1
65°	680.9	693.3	721.0	751.8	770.3
67.5°	597.7	603.9	628.6	662.5	674.8
70°	511.5	517.6	539.2	566.9	576.2
72.5°	425.2	434.4	449.9	474.5	486.8
75°	345.1	351.3	363.6	382.1	394.4
77.5°	268.1	271.1	280.4	295.8	305.0
80°	194.1	197.2	203.4	215.7	221.8
82.5°	129.4	132.5	135.6	141.7	147.9
85°	73.9	73.9	73.9	80.1	83.2
87.5°	27.7	24.6	24.6	24.6	24.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)