

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: P385147

Luminaire Tested: **22ID-55-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385147
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: 22ID-55-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

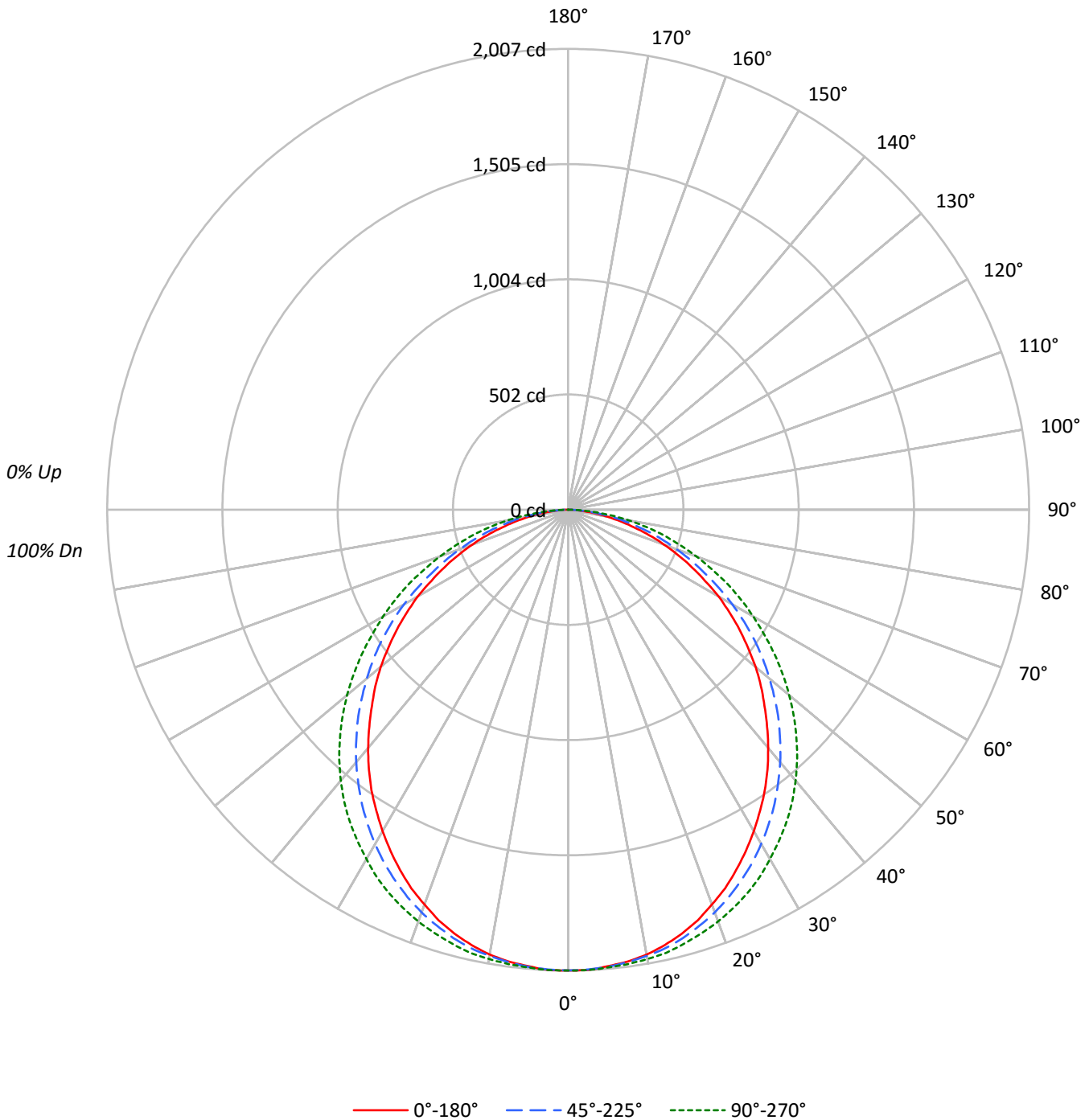
Lumens per Lamp: N/A
Luminaire Lumens: 5572.3 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.9
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	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°	5401	5401	5401
5°	5391	5398	5406
10°	5376	5392	5430
15°	5325	5380	5450
20°	5240	5345	5466
25°	5141	5291	5475
30°	5022	5223	5459
35°	4903	5143	5448
40°	4759	5045	5411
45°	4600	4931	5348
50°	4460	4789	5260
55°	4273	4642	5143
60°	4069	4448	5007
65°	3794	4188	4869
70°	3494	3936	4666
75°	3098	3654	4472
80°	2614	3267	4138
85°	1908	2516	3298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.0	3.4
10°-20°	545.0	9.8
20°-30°	822.0	14.8
30°-40°	981.3	17.6
40°-50°	1003.0	18.0
50°-60°	889.4	16.0
60°-70°	663.0	11.9
70°-80°	378.8	6.8
80°-90°	99.9	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°	1557.0	27.9
0°-40°	2538.4	45.6
0°-60°	4430.7	79.5
0°-90°	5572.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5572.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2007	2007	2007	2007	2007	
5°	1996	1996	1998	1998	2001	190
15°	1911	1917	1931	1948	1956	539
25°	1732	1746	1782	1821	1844	797
35°	1493	1512	1566	1628	1658	932
45°	1209	1234	1296	1366	1405	934
55°	911	928	989	1060	1096	814
65°	596	610	658	725	765	591
75°	298	312	351	405	430	318
85°	62	65	82	101	107	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2006.9	2006.9	2006.9	2006.9	2006.9
2.5°	2006.9	2004.1	2004.1	2004.1	2006.9
5°	1995.7	1995.7	1998.5	1998.5	2001.3
7.5°	1984.5	1984.5	1987.3	1990.1	1995.7
10°	1967.6	1967.6	1973.2	1981.7	1987.3
12.5°	1942.3	1945.1	1956.4	1967.6	1976.0
15°	1911.4	1917.0	1931.1	1947.9	1956.4
17.5°	1874.8	1880.5	1900.1	1922.6	1933.9
20°	1829.9	1841.1	1866.4	1894.5	1908.6
22.5°	1784.9	1796.1	1827.1	1860.8	1877.6
25°	1731.5	1745.5	1782.1	1821.4	1843.9
27.5°	1675.3	1692.1	1734.3	1779.3	1804.6
30°	1616.2	1635.9	1680.9	1731.5	1756.8
32.5°	1554.4	1574.1	1624.7	1680.9	1709.0
35°	1492.6	1512.2	1565.6	1627.5	1658.4
37.5°	1425.1	1444.8	1501.0	1568.5	1602.2
40°	1354.8	1377.3	1436.3	1503.8	1540.3
42.5°	1281.7	1307.0	1366.1	1439.2	1475.7
45°	1208.7	1234.0	1295.8	1366.1	1405.4
47.5°	1138.4	1158.1	1219.9	1293.0	1332.3
50°	1065.3	1082.2	1144.0	1217.1	1256.5
52.5°	986.6	1009.1	1068.1	1141.2	1177.7
55°	910.7	927.6	989.4	1059.7	1096.2
57.5°	832.0	848.9	907.9	978.2	1011.9
60°	756.1	773.0	826.4	896.7	930.4
62.5°	671.8	688.7	742.1	815.1	848.9
65°	595.9	610.0	657.7	725.2	764.6
67.5°	520.0	534.1	579.0	643.7	674.6
70°	444.1	455.4	500.3	559.4	593.1
72.5°	371.0	382.3	427.2	480.7	508.8
75°	298.0	312.0	351.4	404.8	430.1
77.5°	230.5	244.5	278.3	326.1	348.5
80°	168.7	179.9	210.8	247.4	267.0
82.5°	112.4	120.9	143.4	174.3	188.3
85°	61.8	64.6	81.5	101.2	106.8
87.5°	25.3	25.3	30.9	33.7	36.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)