

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: P385319

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-60-L835-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

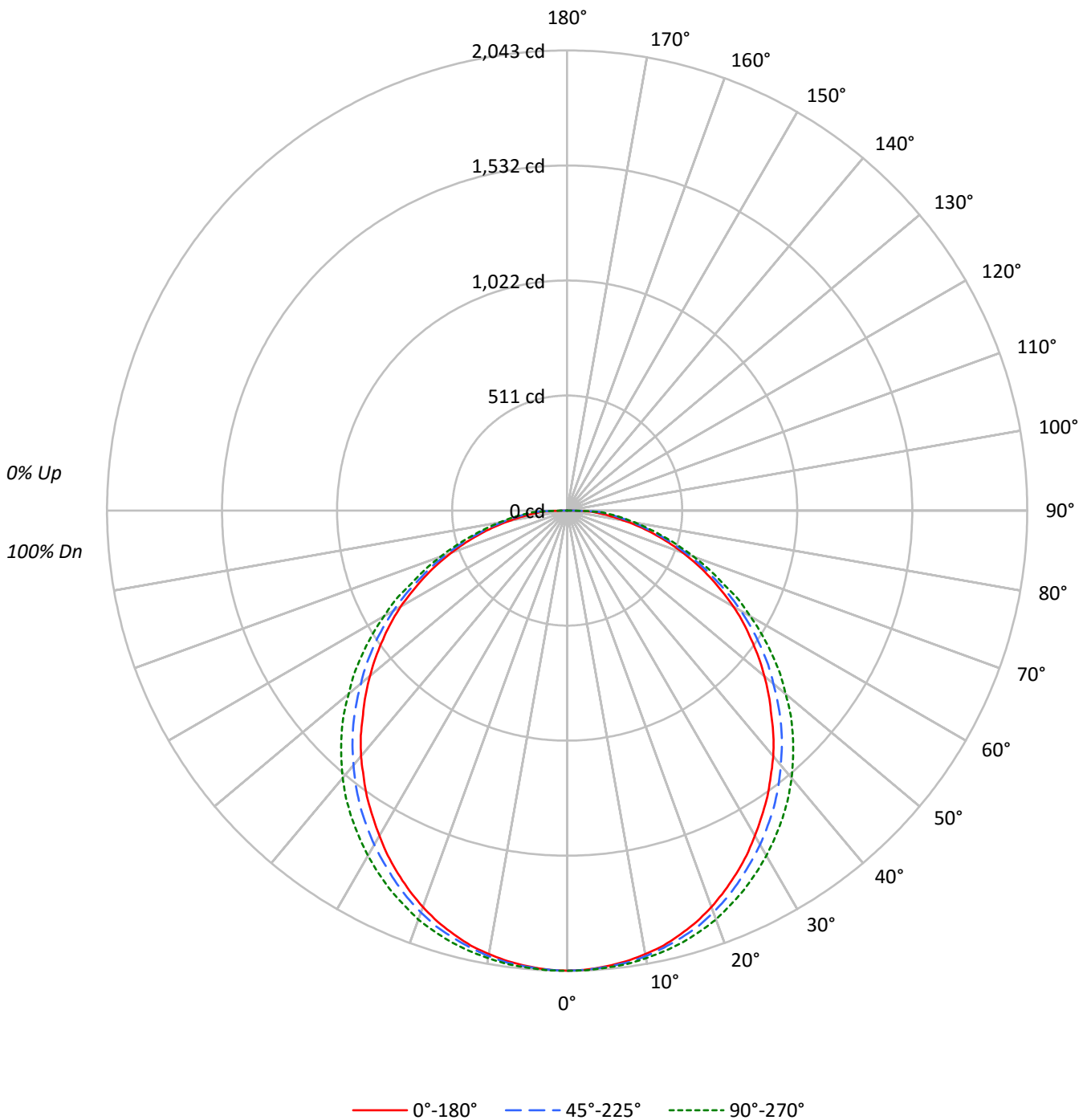
Lumens per Lamp: N/A
Luminaire Lumens: 5925.2 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 50.9
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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5497	5497	5497
5°	5445	5437	5462
10°	5385	5378	5435
15°	5307	5301	5407
20°	5207	5212	5370
25°	5081	5099	5310
30°	4942	4984	5244
35°	4811	4862	5174
40°	4674	4718	5089
45°	4503	4573	4979
50°	4354	4388	4823
55°	4185	4207	4651
60°	4014	3980	4420
65°	3779	3696	4111
70°	3492	3388	3827
75°	3152	3048	3494
80°	2691	2690	3210
85°	2290	2432	3069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.3	3.3
10°-20°	553.9	9.3
20°-30°	835.9	14.1
30°-40°	1003.4	16.9
40°-50°	1038.4	17.5
50°-60°	940.7	15.9
60°-70°	724.8	12.2
70°-80°	448.5	7.6
80°-90°	186.3	3.1
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°	1583.2	26.7
0°-40°	2586.6	43.7
0°-60°	4565.7	77.1
0°-90°	5925.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5925.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2043	2043	2043	2043	2043	
5°	2031	2031	2034	2034	2037	193
15°	1947	1950	1963	1975	1984	549
25°	1778	1784	1812	1843	1858	819
35°	1550	1562	1602	1645	1667	969
45°	1282	1300	1343	1393	1417	991
55°	998	1014	1048	1094	1109	894
65°	700	706	727	758	761	692
75°	398	407	422	441	441	421
85°	145	160	185	197	194	156
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2042.9	2042.9	2042.9	2042.9	2042.9
2.5°	2039.8	2039.8	2039.8	2039.8	2042.9
5°	2030.6	2030.6	2033.6	2033.6	2036.7
7.5°	2018.2	2018.2	2024.4	2024.4	2030.6
10°	1999.8	2002.8	2009.0	2012.1	2018.2
12.5°	1978.2	1978.2	1987.4	1996.7	2002.8
15°	1947.4	1950.5	1962.8	1975.1	1984.3
17.5°	1913.5	1916.6	1935.0	1947.4	1959.7
20°	1873.4	1876.5	1898.1	1916.6	1932.0
22.5°	1827.2	1833.4	1858.0	1882.7	1895.0
25°	1777.9	1784.1	1811.8	1842.6	1858.0
27.5°	1725.5	1734.8	1762.5	1796.4	1814.9
30°	1667.0	1679.3	1713.2	1750.2	1768.7
32.5°	1608.4	1620.8	1657.7	1700.9	1719.4
35°	1549.9	1562.2	1602.3	1645.4	1667.0
37.5°	1485.2	1497.5	1540.6	1586.9	1611.5
40°	1423.6	1435.9	1475.9	1528.3	1549.9
42.5°	1355.8	1368.1	1411.2	1460.5	1485.2
45°	1281.8	1300.3	1343.4	1392.7	1417.4
47.5°	1214.0	1229.4	1269.5	1321.9	1346.5
50°	1143.2	1158.6	1195.5	1247.9	1266.4
52.5°	1072.3	1087.7	1124.7	1174.0	1192.5
55°	998.3	1013.7	1047.6	1093.9	1109.3
57.5°	927.5	939.8	970.6	1013.7	1026.1
60°	853.5	865.8	890.5	930.5	939.8
62.5°	773.4	782.6	810.4	847.4	859.7
65°	699.5	705.6	727.2	758.0	761.1
67.5°	622.4	628.6	650.2	671.7	681.0
70°	545.4	554.6	570.0	591.6	597.8
72.5°	471.4	480.7	496.1	514.6	517.7
75°	397.5	406.7	422.1	440.6	440.6
77.5°	326.6	335.9	354.3	369.8	369.8
80°	255.7	271.2	289.6	305.0	305.0
82.5°	197.2	209.5	234.2	246.5	246.5
85°	144.8	160.2	184.9	197.2	194.1
87.5°	104.8	120.2	141.7	151.0	147.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)