

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: P385324

Luminaire Tested: **22ID-65-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385324
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-65-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

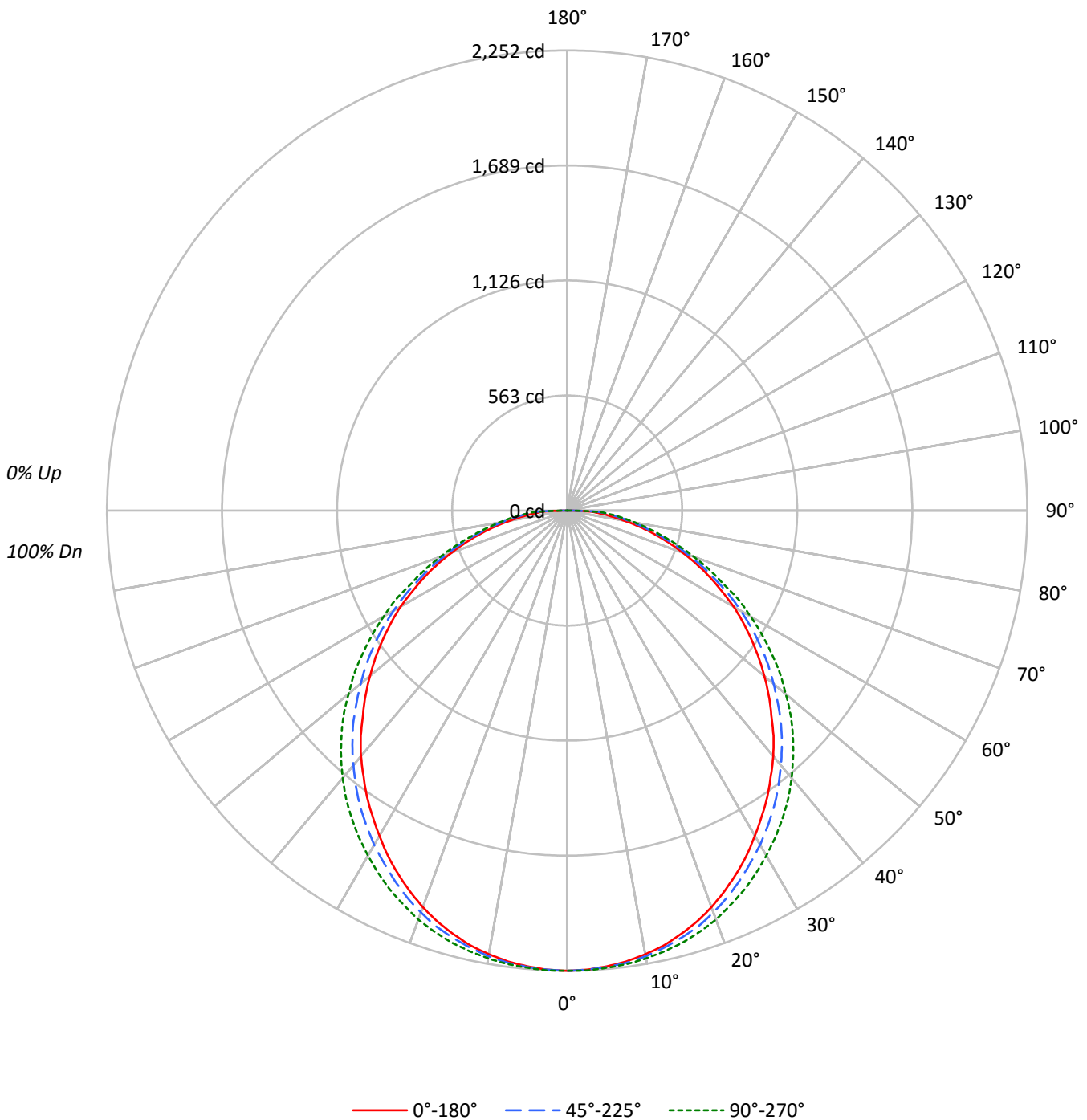
Lumens per Lamp: N/A
Luminaire Lumens: 6533.0 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 56.6
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	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°	6061	6061	6061
5°	6004	5995	6022
10°	5938	5930	5993
15°	5851	5844	5962
20°	5741	5747	5920
25°	5603	5622	5855
30°	5449	5495	5781
35°	5304	5361	5705
40°	5153	5202	5611
45°	4965	5043	5490
50°	4800	4839	5317
55°	4615	4639	5128
60°	4426	4388	4873
65°	4166	4075	4533
70°	3850	3735	4220
75°	3476	3361	3853
80°	2968	2967	3539
85°	2525	2681	3384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.1	3.3
10°-20°	610.8	9.3
20°-30°	921.7	14.1
30°-40°	1106.3	16.9
40°-50°	1144.9	17.5
50°-60°	1037.2	15.9
60°-70°	799.1	12.2
70°-80°	494.5	7.6
80°-90°	205.4	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°	1745.6	26.7
0°-40°	2851.9	43.7
0°-60°	5034.0	77.1
0°-90°	6533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2252	2252	2252	2252	2252	
5°	2239	2239	2242	2242	2246	213
15°	2147	2150	2164	2178	2188	606
25°	1960	1967	1998	2032	2049	903
35°	1709	1722	1767	1814	1838	1068
45°	1413	1434	1481	1536	1563	1093
55°	1101	1118	1155	1206	1223	986
65°	771	778	802	836	839	763
75°	438	448	465	486	486	464
85°	160	177	204	217	214	173
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2252.4	2252.4	2252.4	2252.4	2252.4
2.5°	2249.0	2249.0	2249.0	2249.0	2252.4
5°	2238.9	2238.9	2242.3	2242.3	2245.7
7.5°	2225.3	2225.3	2232.1	2232.1	2238.9
10°	2204.9	2208.3	2215.1	2218.5	2225.3
12.5°	2181.1	2181.1	2191.3	2201.5	2208.3
15°	2147.1	2150.5	2164.1	2177.7	2187.9
17.5°	2109.8	2113.2	2133.5	2147.1	2160.7
20°	2065.6	2069.0	2092.8	2113.2	2130.1
22.5°	2014.6	2021.4	2048.6	2075.8	2089.4
25°	1960.3	1967.1	1997.6	2031.6	2048.6
27.5°	1902.5	1912.7	1943.3	1980.7	2001.0
30°	1838.0	1851.6	1888.9	1929.7	1950.1
32.5°	1773.4	1787.0	1827.8	1875.3	1895.7
35°	1708.9	1722.5	1766.6	1814.2	1838.0
37.5°	1637.5	1651.1	1698.7	1749.6	1776.8
40°	1569.6	1583.2	1627.3	1685.1	1708.9
42.5°	1494.8	1508.4	1556.0	1610.3	1637.5
45°	1413.3	1433.7	1481.2	1535.6	1562.8
47.5°	1338.6	1355.5	1399.7	1457.5	1484.6
50°	1260.4	1277.4	1318.2	1375.9	1396.3
52.5°	1182.3	1199.3	1240.0	1294.4	1314.8
55°	1100.7	1117.7	1155.1	1206.1	1223.0
57.5°	1022.6	1036.2	1070.2	1117.7	1131.3
60°	941.1	954.7	981.8	1026.0	1036.2
62.5°	852.7	862.9	893.5	934.3	947.9
65°	771.2	778.0	801.8	835.7	839.1
67.5°	686.3	693.1	716.8	740.6	750.8
70°	601.3	611.5	628.5	652.3	659.1
72.5°	519.8	530.0	547.0	567.4	570.8
75°	438.3	448.5	465.4	485.8	485.8
77.5°	360.1	370.3	390.7	407.7	407.7
80°	282.0	299.0	319.4	336.3	336.3
82.5°	217.4	231.0	258.2	271.8	271.8
85°	159.7	176.7	203.8	217.4	214.0
87.5°	115.5	132.5	156.3	166.5	163.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)