

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: P385308

Luminaire Tested: **22ID-45-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385308
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-45-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

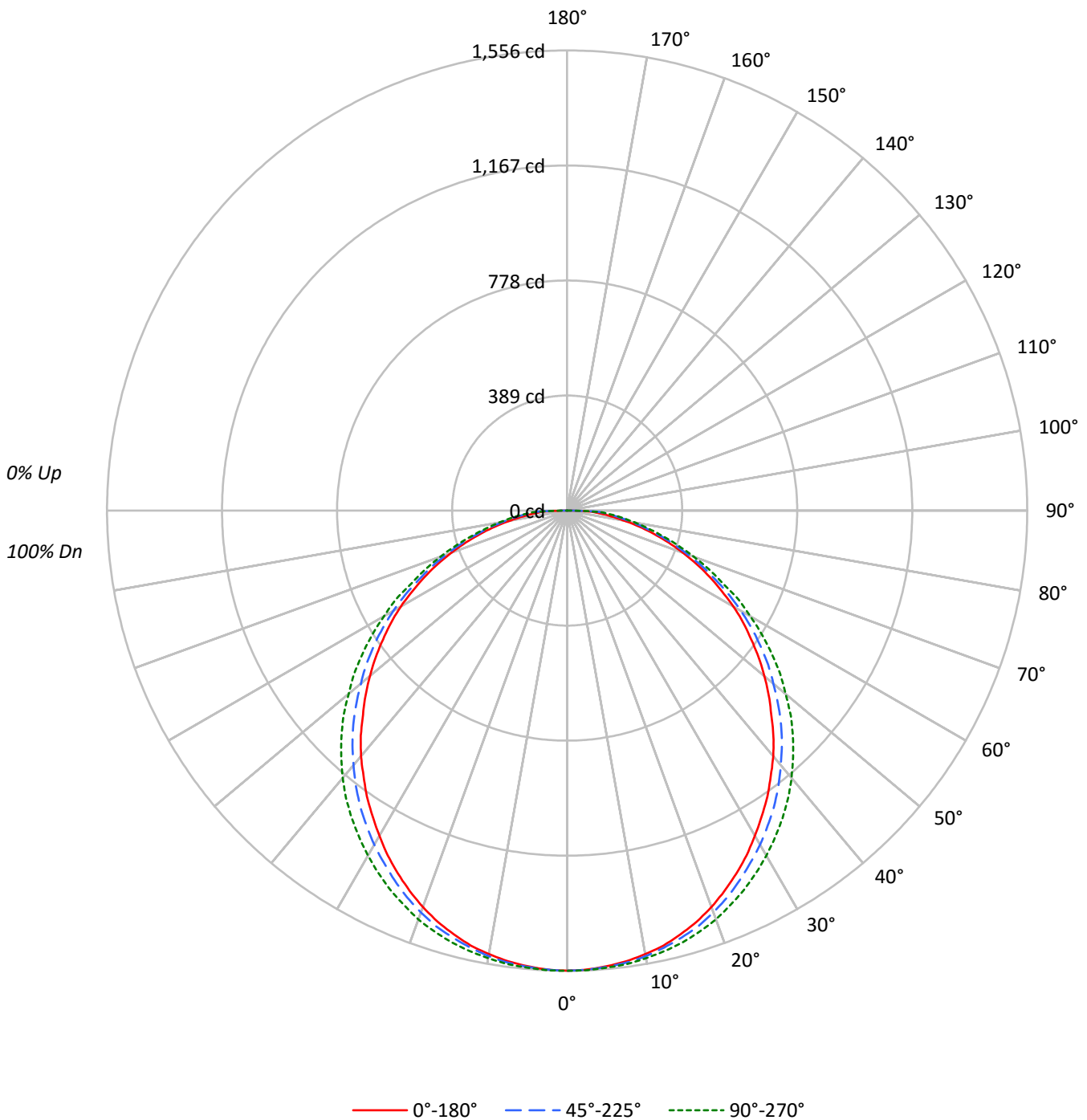
Lumens per Lamp: N/A
Luminaire Lumens: 4512.7 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 37.5
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°	4187	4187	4187
5°	4147	4141	4160
10°	4101	4096	4139
15°	4042	4037	4118
20°	3966	3969	4090
25°	3870	3884	4044
30°	3764	3796	3993
35°	3664	3703	3941
40°	3560	3593	3876
45°	3429	3483	3792
50°	3315	3342	3673
55°	3188	3204	3542
60°	3057	3031	3366
65°	2878	2815	3131
70°	2659	2580	2915
75°	2401	2322	2662
80°	2050	2049	2445
85°	1744	1852	2337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	3.3
10°-20°	421.9	9.3
20°-30°	636.7	14.1
30°-40°	764.2	16.9
40°-50°	790.9	17.5
50°-60°	716.5	15.9
60°-70°	552.0	12.2
70°-80°	341.6	7.6
80°-90°	141.9	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°	1205.8	26.7
0°-40°	1970.0	43.7
0°-60°	3477.3	77.1
0°-90°	4512.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4512.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1556	1556	1556	1556	1556	
5°	1546	1546	1549	1549	1551	147
15°	1483	1486	1495	1504	1511	418
25°	1354	1359	1380	1403	1415	624
35°	1180	1190	1220	1253	1270	738
45°	976	990	1023	1061	1080	755
55°	760	772	798	833	845	681
65°	533	537	554	577	580	527
75°	303	310	322	336	336	321
85°	110	122	141	150	148	119
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1555.9	1555.9	1555.9	1555.9	1555.9
2.5°	1553.5	1553.5	1553.5	1553.5	1555.9
5°	1546.5	1546.5	1548.8	1548.8	1551.2
7.5°	1537.1	1537.1	1541.8	1541.8	1546.5
10°	1523.0	1525.4	1530.1	1532.4	1537.1
12.5°	1506.6	1506.6	1513.6	1520.7	1525.4
15°	1483.1	1485.5	1494.9	1504.3	1511.3
17.5°	1457.3	1459.7	1473.8	1483.1	1492.5
20°	1426.8	1429.2	1445.6	1459.7	1471.4
22.5°	1391.6	1396.3	1415.1	1433.9	1443.2
25°	1354.1	1358.8	1379.9	1403.3	1415.1
27.5°	1314.2	1321.2	1342.3	1368.1	1382.2
30°	1269.6	1279.0	1304.8	1332.9	1347.0
32.5°	1225.0	1234.4	1262.5	1295.4	1309.5
35°	1180.4	1189.8	1220.3	1253.2	1269.6
37.5°	1131.1	1140.5	1173.4	1208.6	1227.3
40°	1084.2	1093.6	1124.1	1164.0	1180.4
42.5°	1032.6	1042.0	1074.8	1112.4	1131.1
45°	976.2	990.3	1023.2	1060.7	1079.5
47.5°	924.6	936.3	966.9	1006.8	1025.5
50°	870.6	882.4	910.5	950.4	964.5
52.5°	816.7	828.4	856.6	894.1	908.2
55°	760.3	772.1	797.9	833.1	844.8
57.5°	706.4	715.8	739.2	772.1	781.5
60°	650.0	659.4	678.2	708.7	715.8
62.5°	589.0	596.1	617.2	645.4	654.7
65°	532.7	537.4	553.8	577.3	579.6
67.5°	474.0	478.7	495.2	511.6	518.6
70°	415.4	422.4	434.1	450.6	455.3
72.5°	359.1	366.1	377.8	391.9	394.3
75°	302.7	309.8	321.5	335.6	335.6
77.5°	248.8	255.8	269.9	281.6	281.6
80°	194.8	206.5	220.6	232.3	232.3
82.5°	150.2	159.6	178.4	187.7	187.7
85°	110.3	122.0	140.8	150.2	147.8
87.5°	79.8	91.5	107.9	115.0	112.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)