

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: P385244

Luminaire Tested: **14ID-35-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385244
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: 14ID-35-L840-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

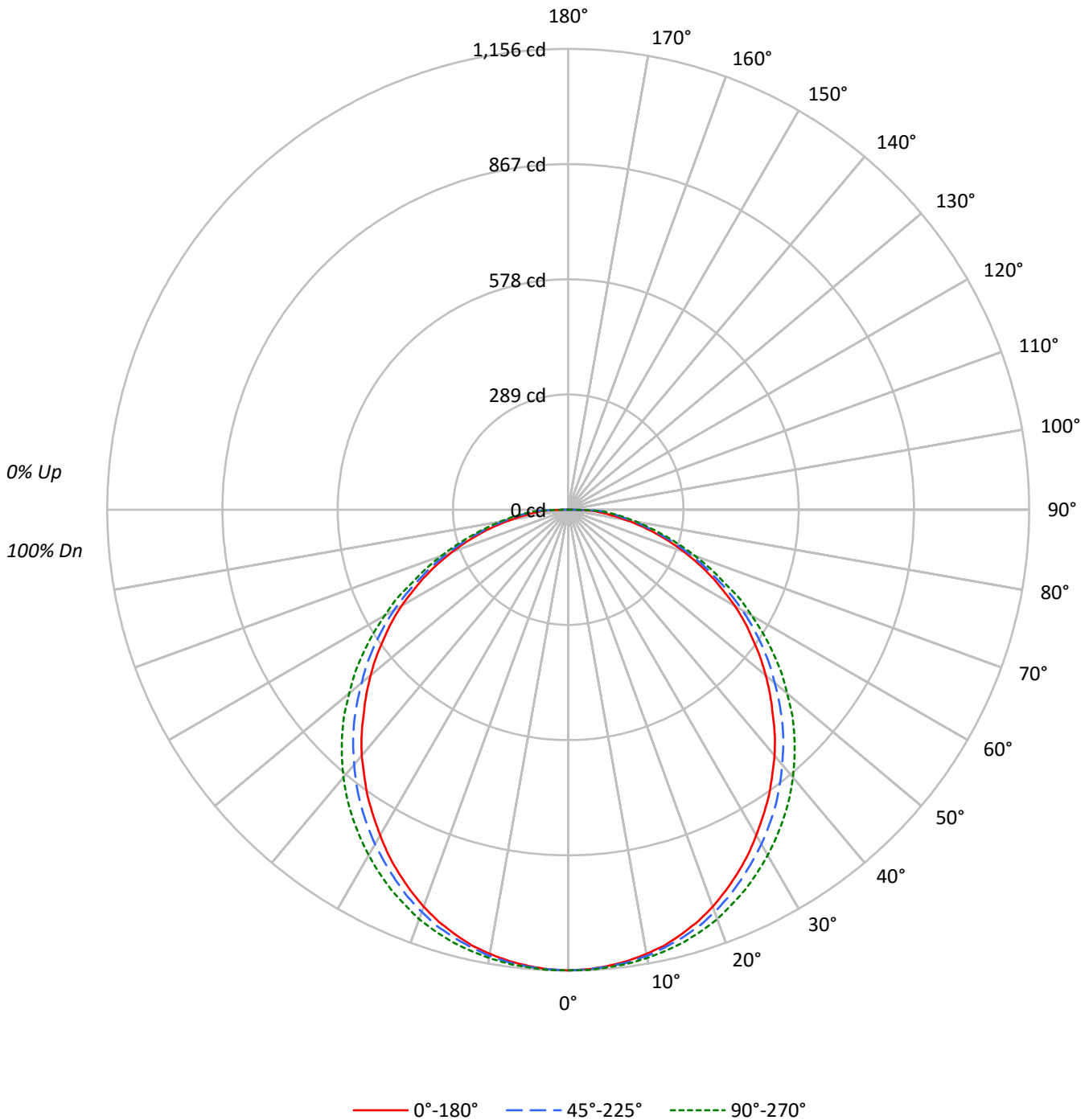
Lumens per Lamp: N/A
Luminaire Lumens: 3351.9 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 28.5
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°	3110	3110	3110
5°	3092	3068	3068
10°	3069	3027	3031
15°	3035	2976	2993
20°	2990	2918	2951
25°	2929	2847	2896
30°	2861	2776	2836
35°	2799	2699	2774
40°	2733	2610	2702
45°	2649	2521	2615
50°	2579	2408	2502
55°	2501	2297	2378
60°	2424	2160	2220
65°	2313	1991	2019
70°	2178	1806	1825
75°	2024	1602	1598
80°	1814	1384	1375
85°	1713	1203	1167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	3.3
10°-20°	313.4	9.3
20°-30°	472.9	14.1
30°-40°	567.6	16.9
40°-50°	587.4	17.5
50°-60°	532.2	15.9
60°-70°	410.0	12.2
70°-80°	253.7	7.6
80°-90°	105.4	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°	895.6	26.7
0°-40°	1463.2	43.7
0°-60°	2582.8	77.1
0°-90°	3351.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3351.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1149	1149	1150	1150	1152	109
15°	1102	1103	1110	1117	1122	311
25°	1006	1009	1025	1042	1051	463
35°	877	884	906	931	943	548
45°	725	736	760	788	802	561
55°	565	574	593	619	628	506
65°	396	399	411	429	430	391
75°	225	230	239	249	249	238
85°	82	91	105	112	110	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1155.7	1155.7	1155.7	1155.7	1155.7
2.5°	1153.9	1153.9	1153.9	1153.9	1155.7
5°	1148.7	1148.7	1150.4	1150.4	1152.2
7.5°	1141.7	1141.7	1145.2	1145.2	1148.7
10°	1131.3	1133.0	1136.5	1138.2	1141.7
12.5°	1119.1	1119.1	1124.3	1129.5	1133.0
15°	1101.6	1103.4	1110.3	1117.3	1122.5
17.5°	1082.5	1084.2	1094.7	1101.6	1108.6
20°	1059.8	1061.5	1073.7	1084.2	1092.9
22.5°	1033.7	1037.1	1051.1	1065.0	1072.0
25°	1005.8	1009.2	1024.9	1042.4	1051.1
27.5°	976.1	981.4	997.0	1016.2	1026.7
30°	943.0	950.0	969.2	990.1	1000.5
32.5°	909.9	916.9	937.8	962.2	972.6
35°	876.8	883.7	906.4	930.8	943.0
37.5°	840.2	847.1	871.5	897.7	911.6
40°	805.3	812.3	834.9	864.6	876.8
42.5°	767.0	773.9	798.3	826.2	840.2
45°	725.1	735.6	760.0	787.9	801.8
47.5°	686.8	695.5	718.2	747.8	761.7
50°	646.7	655.4	676.3	706.0	716.4
52.5°	606.6	615.3	636.2	664.1	674.6
55°	564.8	573.5	592.6	618.8	627.5
57.5°	524.7	531.6	549.1	573.5	580.4
60°	482.8	489.8	503.8	526.4	531.6
62.5°	437.5	442.7	458.4	479.3	486.3
65°	395.7	399.2	411.4	428.8	430.5
67.5°	352.1	355.6	367.8	380.0	385.2
70°	308.5	313.8	322.5	334.7	338.2
72.5°	266.7	271.9	280.6	291.1	292.8
75°	224.9	230.1	238.8	249.3	249.3
77.5°	184.8	190.0	200.5	209.2	209.2
80°	144.7	153.4	163.9	172.6	172.6
82.5°	111.6	118.5	132.5	139.4	139.4
85°	81.9	90.6	104.6	111.6	109.8
87.5°	59.3	68.0	80.2	85.4	83.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)