

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: P385243

Luminaire Tested: **14ID-35-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385243
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-L835-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

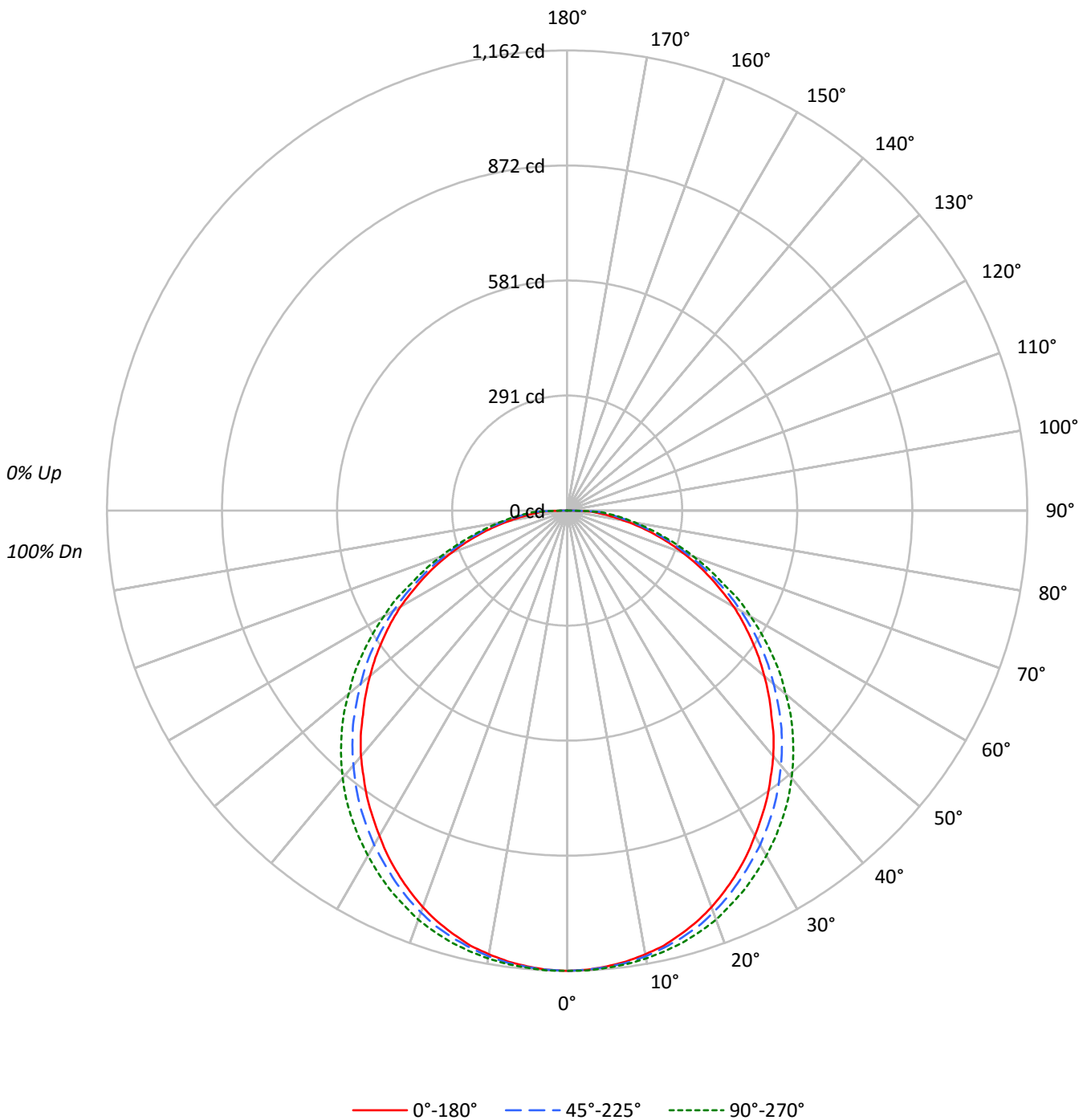
Lumens per Lamp: N/A
Luminaire Lumens: 3371.1 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 28.4
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°	3128	3128	3128
5°	3109	3086	3085
10°	3086	3044	3048
15°	3052	2993	3011
20°	3007	2935	2968
25°	2946	2864	2912
30°	2878	2791	2852
35°	2815	2715	2790
40°	2749	2625	2718
45°	2664	2535	2630
50°	2594	2422	2516
55°	2515	2310	2392
60°	2438	2172	2233
65°	2326	2002	2031
70°	2191	1816	1835
75°	2034	1611	1607
80°	1824	1391	1383
85°	1723	1210	1173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	3.3
10°-20°	315.2	9.3
20°-30°	475.6	14.1
30°-40°	570.9	16.9
40°-50°	590.8	17.5
50°-60°	535.2	15.9
60°-70°	412.4	12.2
70°-80°	255.2	7.6
80°-90°	106.0	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°	900.7	26.7
0°-40°	1471.6	43.7
0°-60°	2597.6	77.1
0°-90°	3371.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3371.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1162	1162	1162	1162	1162	
5°	1155	1155	1157	1157	1159	110
15°	1108	1110	1117	1124	1129	312
25°	1012	1015	1031	1048	1057	466
35°	882	889	912	936	948	551
45°	729	740	764	792	806	564
55°	568	577	596	622	631	509
65°	398	402	414	431	433	393
75°	226	231	240	251	251	240
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°	1162.3	1162.3	1162.3	1162.3	1162.3
2.5°	1160.5	1160.5	1160.5	1160.5	1162.3
5°	1155.3	1155.3	1157.0	1157.0	1158.8
7.5°	1148.3	1148.3	1151.8	1151.8	1155.3
10°	1137.7	1139.5	1143.0	1144.8	1148.3
12.5°	1125.5	1125.5	1130.7	1136.0	1139.5
15°	1107.9	1109.7	1116.7	1123.7	1129.0
17.5°	1088.7	1090.4	1100.9	1107.9	1115.0
20°	1065.9	1067.6	1079.9	1090.4	1099.2
22.5°	1039.6	1043.1	1057.1	1071.1	1078.1
25°	1011.5	1015.0	1030.8	1048.3	1057.1
27.5°	981.7	987.0	1002.8	1022.0	1032.6
30°	948.4	955.4	974.7	995.7	1006.3
32.5°	915.1	922.1	943.2	967.7	978.2
35°	881.8	888.8	911.6	936.1	948.4
37.5°	845.0	852.0	876.5	902.8	916.9
40°	809.9	816.9	839.7	869.5	881.8
42.5°	771.4	778.4	802.9	831.0	845.0
45°	729.3	739.8	764.3	792.4	806.4
47.5°	690.7	699.5	722.3	752.1	766.1
50°	650.4	659.2	680.2	710.0	720.5
52.5°	610.1	618.8	639.9	667.9	678.4
55°	568.0	576.8	596.0	622.3	631.1
57.5°	527.7	534.7	552.2	576.8	583.8
60°	485.6	492.6	506.6	529.4	534.7
62.5°	440.0	445.3	461.1	482.1	489.1
65°	397.9	401.5	413.7	431.3	433.0
67.5°	354.1	357.6	369.9	382.2	387.4
70°	310.3	315.6	324.3	336.6	340.1
72.5°	268.2	273.5	282.2	292.8	294.5
75°	226.1	231.4	240.2	250.7	250.7
77.5°	185.8	191.1	201.6	210.4	210.4
80°	145.5	154.3	164.8	173.6	173.6
82.5°	112.2	119.2	133.2	140.2	140.2
85°	82.4	91.2	105.2	112.2	110.4
87.5°	59.6	68.4	80.6	85.9	84.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)