

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: P385351

Luminaire Tested: **24ID-35-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385351
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: 24ID-35-L835-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

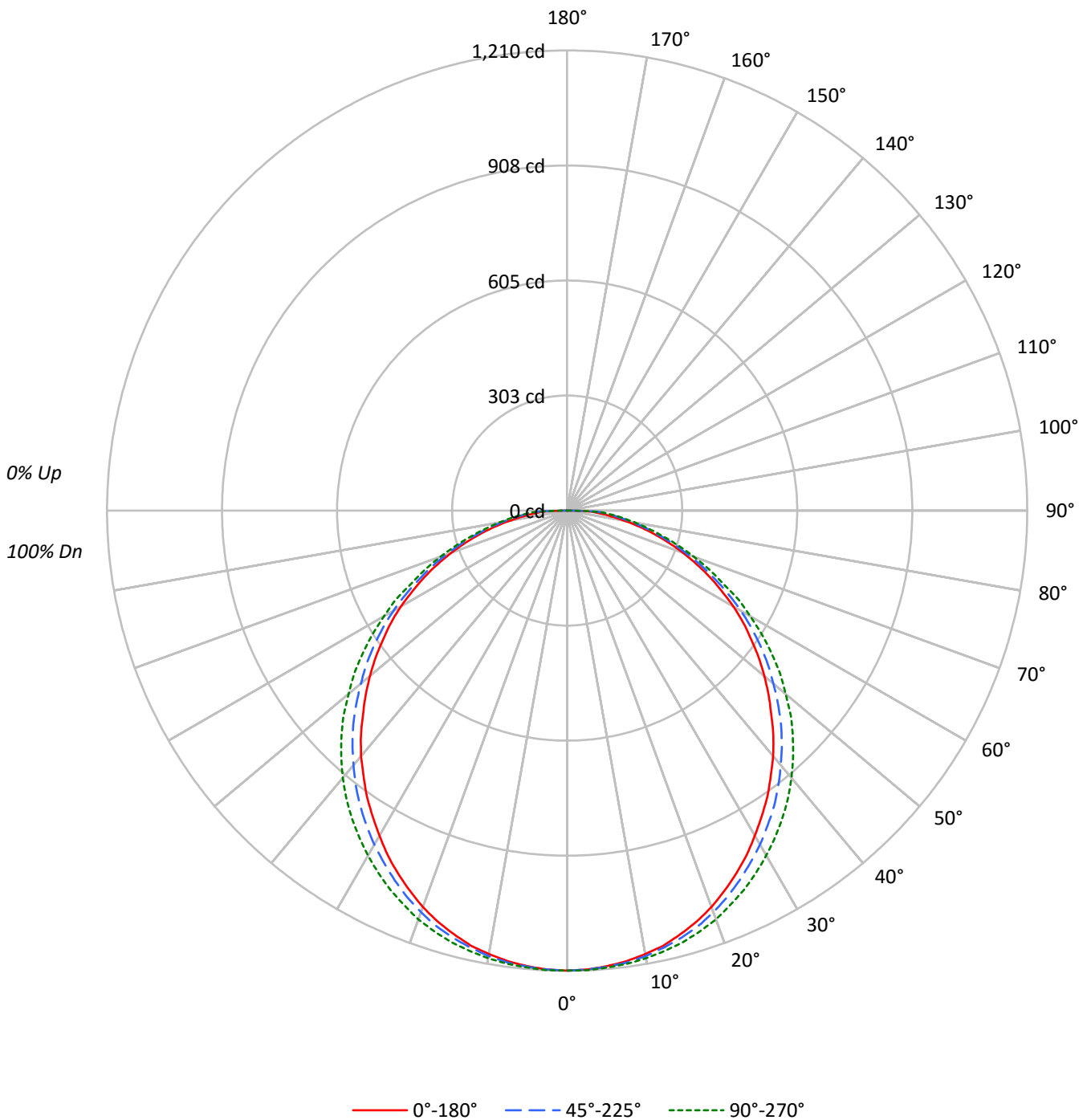
Lumens per Lamp: N/A
Luminaire Lumens: 3508.3 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 30.4
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°	1628	1628	1628
5°	1618	1614	1617
10°	1606	1600	1609
15°	1588	1581	1601
20°	1564	1559	1590
25°	1533	1530	1572
30°	1497	1499	1552
35°	1465	1467	1532
40°	1430	1429	1507
45°	1386	1391	1474
50°	1350	1341	1428
55°	1309	1292	1377
60°	1268	1231	1308
65°	1210	1152	1217
70°	1140	1068	1133
75°	1059	977	1035
80°	949	885	950
85°	896	841	908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.4	3.3
10°-20°	328.0	9.3
20°-30°	495.0	14.1
30°-40°	594.1	16.9
40°-50°	614.8	17.5
50°-60°	557.0	15.9
60°-70°	429.1	12.2
70°-80°	265.5	7.6
80°-90°	110.3	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°	937.4	26.7
0°-40°	1531.5	43.7
0°-60°	2703.3	77.1
0°-90°	3508.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3508.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1210	1210	1210	1210	1210	
5°	1202	1202	1204	1204	1206	114
15°	1153	1155	1162	1170	1175	325
25°	1053	1056	1073	1091	1100	485
35°	918	925	949	974	987	574
45°	759	770	795	825	839	587
55°	591	600	620	648	657	529
65°	414	418	431	449	451	409
75°	235	241	250	261	261	249
85°	86	95	110	117	115	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1209.6	1209.6	1209.6	1209.6	1209.6
2.5°	1207.8	1207.8	1207.8	1207.8	1209.6
5°	1202.3	1202.3	1204.1	1204.1	1205.9
7.5°	1195.0	1195.0	1198.6	1198.6	1202.3
10°	1184.0	1185.9	1189.5	1191.3	1195.0
12.5°	1171.3	1171.3	1176.8	1182.2	1185.9
15°	1153.0	1154.9	1162.2	1169.5	1174.9
17.5°	1133.0	1134.8	1145.7	1153.0	1160.3
20°	1109.2	1111.1	1123.8	1134.8	1143.9
22.5°	1081.9	1085.5	1100.1	1114.7	1122.0
25°	1052.7	1056.3	1072.8	1091.0	1100.1
27.5°	1021.7	1027.1	1043.6	1063.6	1074.6
30°	987.0	994.3	1014.4	1036.3	1047.2
32.5°	952.3	959.6	981.5	1007.1	1018.0
35°	917.7	925.0	948.7	974.2	987.0
37.5°	879.4	886.7	912.2	939.6	954.2
40°	842.9	850.2	873.9	904.9	917.7
42.5°	802.7	810.0	835.6	864.8	879.4
45°	759.0	769.9	795.4	824.6	839.2
47.5°	718.8	727.9	751.7	782.7	797.3
50°	676.9	686.0	707.9	738.9	749.8
52.5°	634.9	644.0	665.9	695.1	706.1
55°	591.1	600.2	620.3	647.7	656.8
57.5°	549.2	556.4	574.7	600.2	607.5
60°	505.4	512.7	527.3	551.0	556.4
62.5°	457.9	463.4	479.8	501.7	509.0
65°	414.1	417.8	430.6	448.8	450.6
67.5°	368.5	372.2	385.0	397.7	403.2
70°	322.9	328.4	337.5	350.3	353.9
72.5°	279.1	284.6	293.7	304.7	306.5
75°	235.4	240.8	249.9	260.9	260.9
77.5°	193.4	198.9	209.8	218.9	218.9
80°	151.4	160.5	171.5	180.6	180.6
82.5°	116.8	124.1	138.7	146.0	146.0
85°	85.7	94.9	109.5	116.8	114.9
87.5°	62.0	71.2	83.9	89.4	87.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)