

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: P385305

Luminaire Tested: **22ID-40-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385305
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-40-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

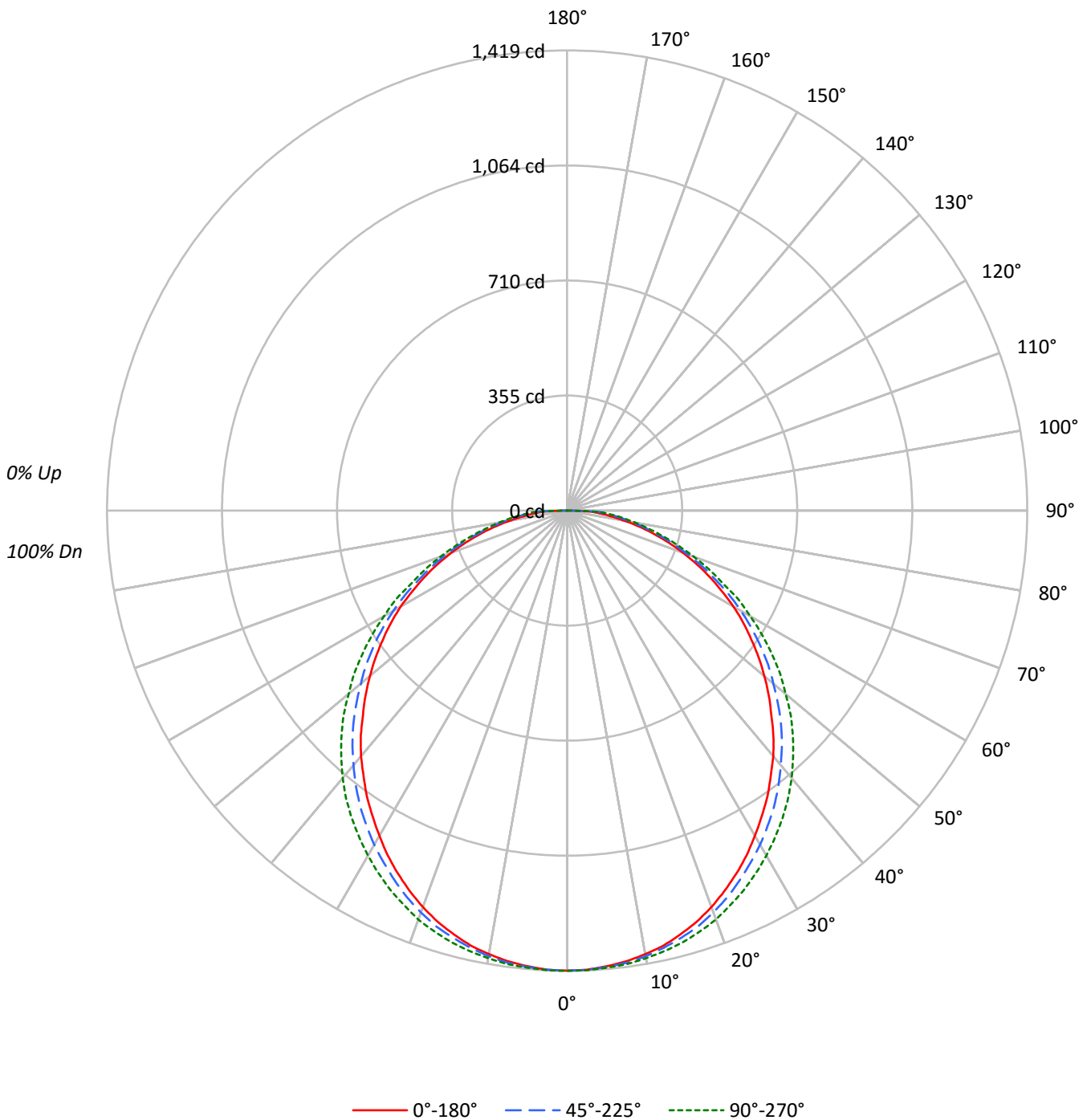
Lumens per Lamp: N/A
Luminaire Lumens: 4115.4 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.7
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°	3818	3818	3818
5°	3782	3777	3794
10°	3740	3735	3775
15°	3686	3682	3756
20°	3617	3620	3730
25°	3529	3542	3688
30°	3432	3462	3642
35°	3341	3377	3594
40°	3246	3277	3534
45°	3128	3177	3458
50°	3024	3048	3350
55°	2907	2922	3230
60°	2788	2764	3070
65°	2624	2567	2855
70°	2425	2353	2658
75°	2190	2117	2427
80°	1869	1869	2230
85°	1591	1689	2132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	3.3
10°-20°	384.7	9.3
20°-30°	580.6	14.1
30°-40°	696.9	16.9
40°-50°	721.2	17.5
50°-60°	653.4	15.9
60°-70°	503.4	12.2
70°-80°	311.5	7.6
80°-90°	129.4	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°	1099.6	26.7
0°-40°	1796.5	43.7
0°-60°	3171.1	77.1
0°-90°	4115.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4115.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1419	1419	1419	1419	1419	
5°	1410	1410	1412	1412	1415	134
15°	1353	1355	1363	1372	1378	381
25°	1235	1239	1258	1280	1290	569
35°	1076	1085	1113	1143	1158	673
45°	890	903	933	967	984	688
55°	693	704	728	760	770	621
65°	486	490	505	526	529	480
75°	276	282	293	306	306	292
85°	101	111	128	137	135	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1418.9	1418.9	1418.9	1418.9	1418.9
2.5°	1416.8	1416.8	1416.8	1416.8	1418.9
5°	1410.3	1410.3	1412.5	1412.5	1414.6
7.5°	1401.8	1401.8	1406.1	1406.1	1410.3
10°	1388.9	1391.1	1395.4	1397.5	1401.8
12.5°	1374.0	1374.0	1380.4	1386.8	1391.1
15°	1352.6	1354.7	1363.3	1371.8	1378.2
17.5°	1329.0	1331.2	1344.0	1352.6	1361.1
20°	1301.2	1303.3	1318.3	1331.2	1341.9
22.5°	1269.1	1273.4	1290.5	1307.6	1316.2
25°	1234.9	1239.1	1258.4	1279.8	1290.5
27.5°	1198.5	1204.9	1224.2	1247.7	1260.5
30°	1157.8	1166.4	1189.9	1215.6	1228.4
32.5°	1117.1	1125.7	1151.4	1181.4	1194.2
35°	1076.5	1085.0	1112.9	1142.8	1157.8
37.5°	1031.5	1040.1	1070.1	1102.2	1119.3
40°	988.7	997.3	1025.1	1061.5	1076.5
42.5°	941.7	950.2	980.2	1014.4	1031.5
45°	890.3	903.1	933.1	967.3	984.5
47.5°	843.2	853.9	881.7	918.1	935.2
50°	794.0	804.7	830.4	866.8	879.6
52.5°	744.8	755.5	781.1	815.4	828.2
55°	693.4	704.1	727.6	759.7	770.4
57.5°	644.2	652.7	674.1	704.1	712.7
60°	592.8	601.4	618.5	646.3	652.7
62.5°	537.2	543.6	562.9	588.5	597.1
65°	485.8	490.1	505.1	526.5	528.6
67.5°	432.3	436.6	451.6	466.5	473.0
70°	378.8	385.2	395.9	410.9	415.2
72.5°	327.4	333.9	344.6	357.4	359.5
75°	276.1	282.5	293.2	306.0	306.0
77.5°	226.9	233.3	246.1	256.8	256.8
80°	177.6	188.3	201.2	211.9	211.9
82.5°	137.0	145.5	162.6	171.2	171.2
85°	100.6	111.3	128.4	137.0	134.8
87.5°	72.8	83.5	98.4	104.9	102.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)