

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: P385304

Luminaire Tested: **22ID-40-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385304
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-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

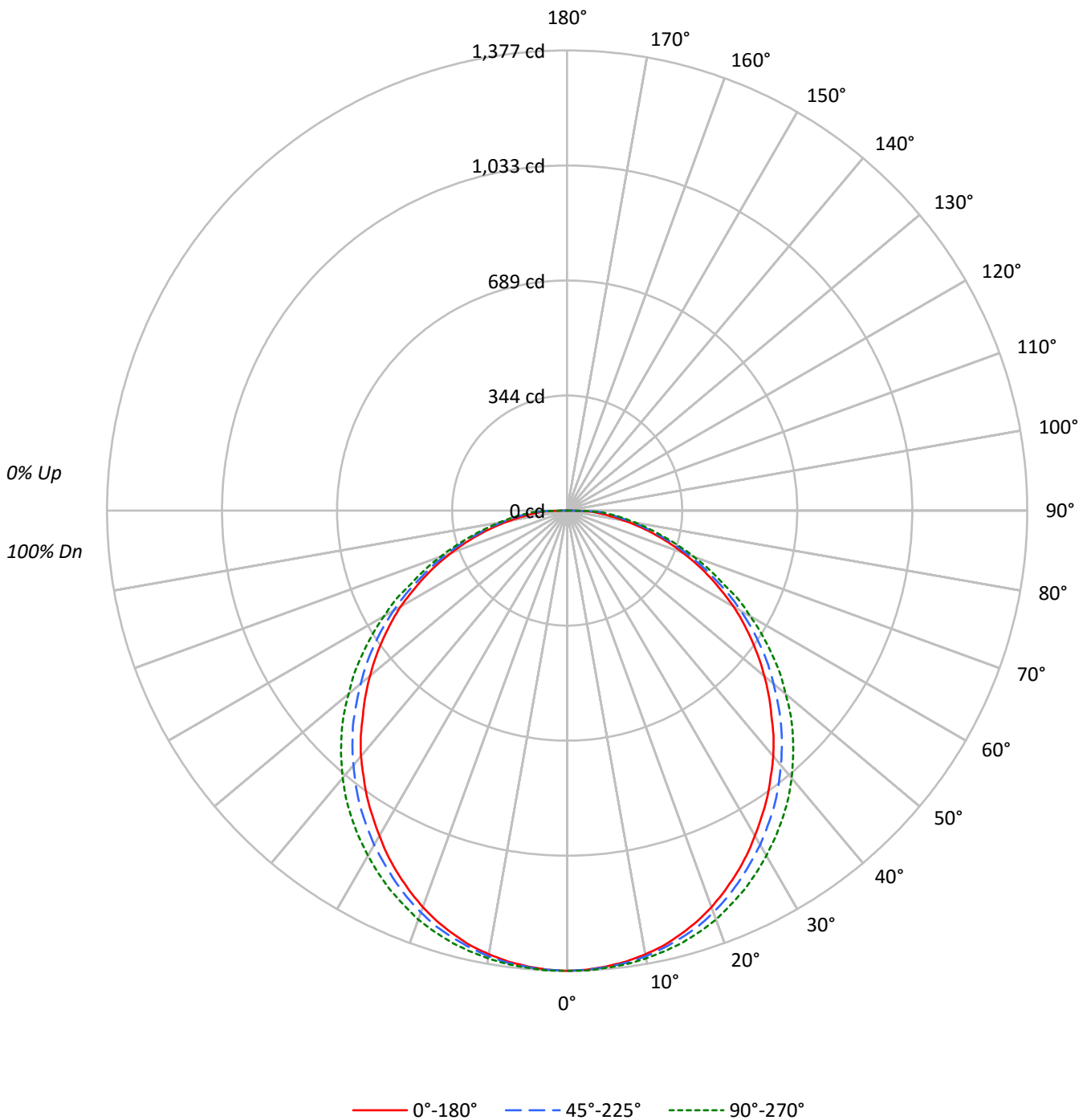
Lumens per Lamp: N/A
Luminaire Lumens: 3994.4 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

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°	3706	3706	3706
5°	3671	3666	3682
10°	3630	3625	3664
15°	3577	3573	3645
20°	3510	3514	3620
25°	3425	3438	3580
30°	3332	3360	3535
35°	3243	3278	3488
40°	3151	3181	3430
45°	3035	3083	3357
50°	2935	2959	3251
55°	2822	2836	3135
60°	2706	2683	2979
65°	2547	2492	2772
70°	2354	2284	2580
75°	2125	2055	2355
80°	1814	1814	2164
85°	1543	1639	2070



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	3.3
10°-20°	373.4	9.3
20°-30°	563.5	14.1
30°-40°	676.4	16.9
40°-50°	700.0	17.5
50°-60°	634.2	15.9
60°-70°	488.6	12.2
70°-80°	302.3	7.6
80°-90°	125.6	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°	1067.3	26.7
0°-40°	1743.7	43.7
0°-60°	3077.9	77.1
0°-90°	3994.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3994.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1377	1377	1377	1377	1377	
5°	1369	1369	1371	1371	1373	130
15°	1313	1315	1323	1332	1338	370
25°	1198	1203	1221	1242	1253	552
35°	1045	1053	1080	1109	1124	653
45°	864	877	906	939	956	668
55°	673	683	706	737	748	603
65°	472	476	490	511	513	466
75°	268	274	285	297	297	284
85°	98	108	125	133	131	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1377.2	1377.2	1377.2	1377.2	1377.2
2.5°	1375.1	1375.1	1375.1	1375.1	1377.2
5°	1368.9	1368.9	1371.0	1371.0	1373.0
7.5°	1360.6	1360.6	1364.7	1364.7	1368.9
10°	1348.1	1350.2	1354.3	1356.4	1360.6
12.5°	1333.6	1333.6	1339.8	1346.0	1350.2
15°	1312.8	1314.9	1323.2	1331.5	1337.7
17.5°	1289.9	1292.0	1304.5	1312.8	1321.1
20°	1262.9	1265.0	1279.6	1292.0	1302.4
22.5°	1231.8	1235.9	1252.6	1269.2	1277.5
25°	1198.5	1202.7	1221.4	1242.2	1252.6
27.5°	1163.2	1169.5	1188.2	1211.0	1223.5
30°	1123.8	1132.1	1154.9	1179.9	1192.3
32.5°	1084.3	1092.6	1117.5	1146.6	1159.1
35°	1044.8	1053.1	1080.1	1109.2	1123.8
37.5°	1001.2	1009.5	1038.6	1069.8	1086.4
40°	959.7	968.0	995.0	1030.3	1044.8
42.5°	914.0	922.3	951.4	984.6	1001.2
45°	864.1	876.6	905.7	938.9	955.5
47.5°	818.4	828.8	855.8	891.1	907.7
50°	770.6	781.0	806.0	841.3	853.7
52.5°	722.9	733.3	758.2	791.4	803.9
55°	673.0	683.4	706.3	737.4	747.8
57.5°	625.2	633.5	654.3	683.4	691.7
60°	575.4	583.7	600.3	627.3	633.5
62.5°	521.4	527.6	546.3	571.2	579.5
65°	471.5	475.7	490.2	511.0	513.1
67.5°	419.6	423.8	438.3	452.8	459.1
70°	367.7	373.9	384.3	398.8	403.0
72.5°	317.8	324.0	334.4	346.9	349.0
75°	268.0	274.2	284.6	297.0	297.0
77.5°	220.2	226.4	238.9	249.3	249.3
80°	172.4	182.8	195.3	205.6	205.6
82.5°	132.9	141.3	157.9	166.2	166.2
85°	97.6	108.0	124.6	132.9	130.9
87.5°	70.6	81.0	95.6	101.8	99.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)