

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: P385292

Luminaire Tested: **22ID-25-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385292
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-25-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

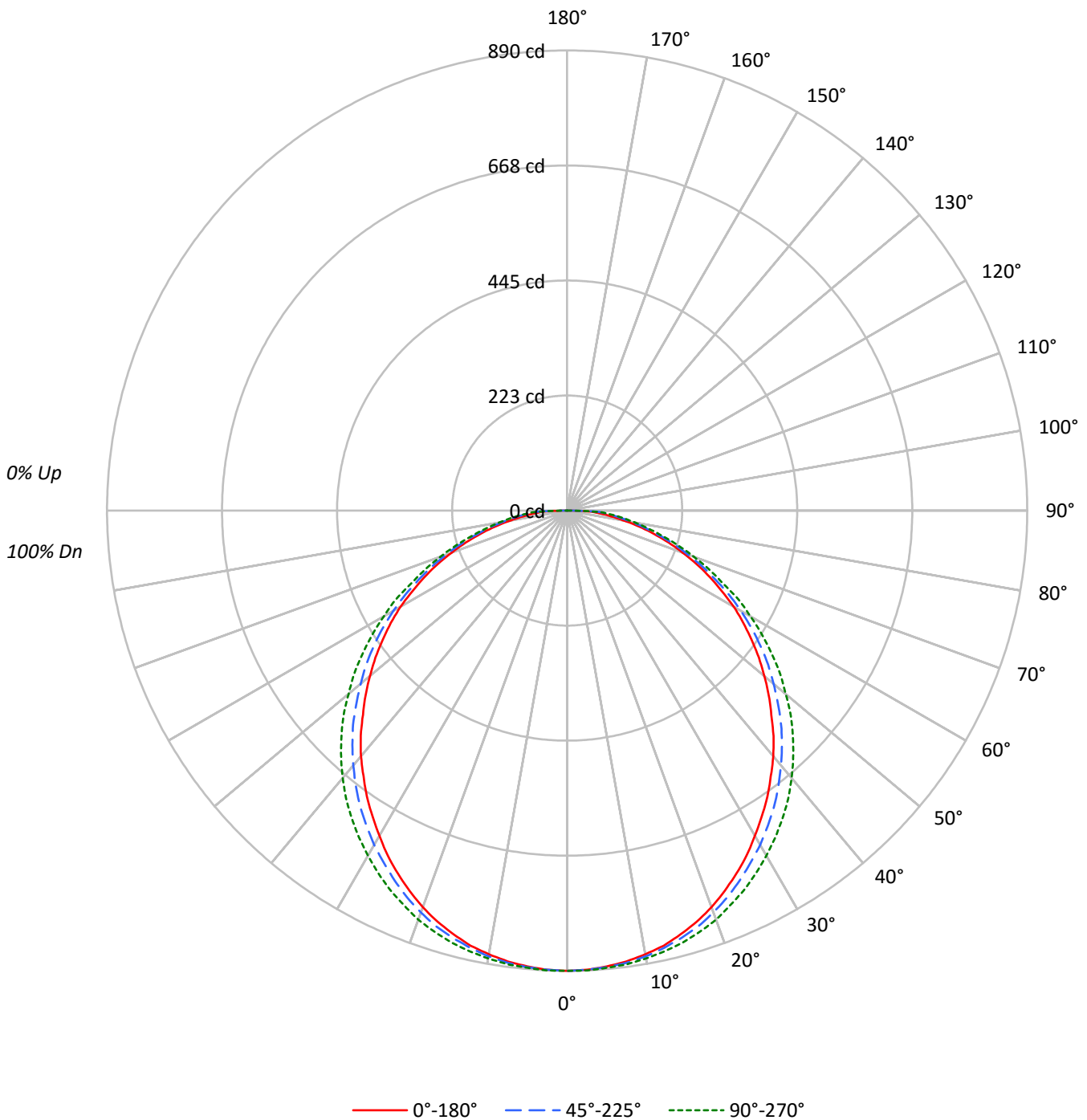
Lumens per Lamp: N/A
Luminaire Lumens: 2582.0 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.7
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2396	2396	2396
5°	2373	2369	2380
10°	2347	2344	2368
15°	2312	2310	2356
20°	2269	2271	2340
25°	2214	2222	2314
30°	2154	2172	2285
35°	2096	2119	2255
40°	2037	2056	2217
45°	1962	1993	2170
50°	1897	1913	2102
55°	1824	1833	2027
60°	1749	1734	1926
65°	1647	1611	1792
70°	1522	1476	1668
75°	1374	1329	1523
80°	1172	1172	1399
85°	998	1060	1338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	3.3
10°-20°	241.4	9.3
20°-30°	364.3	14.1
30°-40°	437.2	16.9
40°-50°	452.5	17.5
50°-60°	409.9	15.9
60°-70°	315.8	12.2
70°-80°	195.4	7.6
80°-90°	81.2	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°	689.9	26.7
0°-40°	1127.1	43.7
0°-60°	1989.6	77.1
0°-90°	2582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2582.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	890	890	890	890	890	
5°	885	885	886	886	888	84
15°	849	850	855	861	865	239
25°	775	777	790	803	810	357
35°	675	681	698	717	726	422
45°	559	567	585	607	618	432
55°	435	442	456	477	483	390
65°	305	308	317	330	332	301
75°	173	177	184	192	192	183
85°	63	70	81	86	85	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	890.2	890.2	890.2	890.2	890.2
2.5°	888.9	888.9	888.9	888.9	890.2
5°	884.9	884.9	886.2	886.2	887.5
7.5°	879.5	879.5	882.2	882.2	884.9
10°	871.4	872.8	875.5	876.8	879.5
12.5°	862.0	862.0	866.1	870.1	872.8
15°	848.6	849.9	855.3	860.7	864.7
17.5°	833.8	835.2	843.2	848.6	854.0
20°	816.4	817.7	827.1	835.2	841.9
22.5°	796.2	798.9	809.7	820.4	825.8
25°	774.7	777.4	789.5	802.9	809.7
27.5°	751.9	755.9	768.0	782.8	790.9
30°	726.4	731.8	746.6	762.7	770.7
32.5°	700.9	706.3	722.4	741.2	749.2
35°	675.4	680.8	698.2	717.0	726.4
37.5°	647.2	652.6	671.4	691.5	702.2
40°	620.3	625.7	643.2	666.0	675.4
42.5°	590.8	596.2	615.0	636.4	647.2
45°	558.6	566.6	585.4	606.9	617.6
47.5°	529.0	535.7	553.2	576.0	586.8
50°	498.1	504.9	521.0	543.8	551.9
52.5°	467.3	474.0	490.1	511.6	519.6
55°	435.0	441.8	456.5	476.7	483.4
57.5°	404.2	409.5	423.0	441.8	447.1
60°	371.9	377.3	388.0	405.5	409.5
62.5°	337.0	341.1	353.1	369.2	374.6
65°	304.8	307.5	316.9	330.3	331.7
67.5°	271.2	273.9	283.3	292.7	296.7
70°	237.7	241.7	248.4	257.8	260.5
72.5°	205.4	209.5	216.2	224.2	225.6
75°	173.2	177.2	184.0	192.0	192.0
77.5°	142.3	146.4	154.4	161.1	161.1
80°	111.4	118.2	126.2	132.9	132.9
82.5°	85.9	91.3	102.0	107.4	107.4
85°	63.1	69.8	80.6	85.9	84.6
87.5°	45.7	52.4	61.8	65.8	64.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)