

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: P385348

Luminaire Tested: **24ID-30-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385348
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-30-L840-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

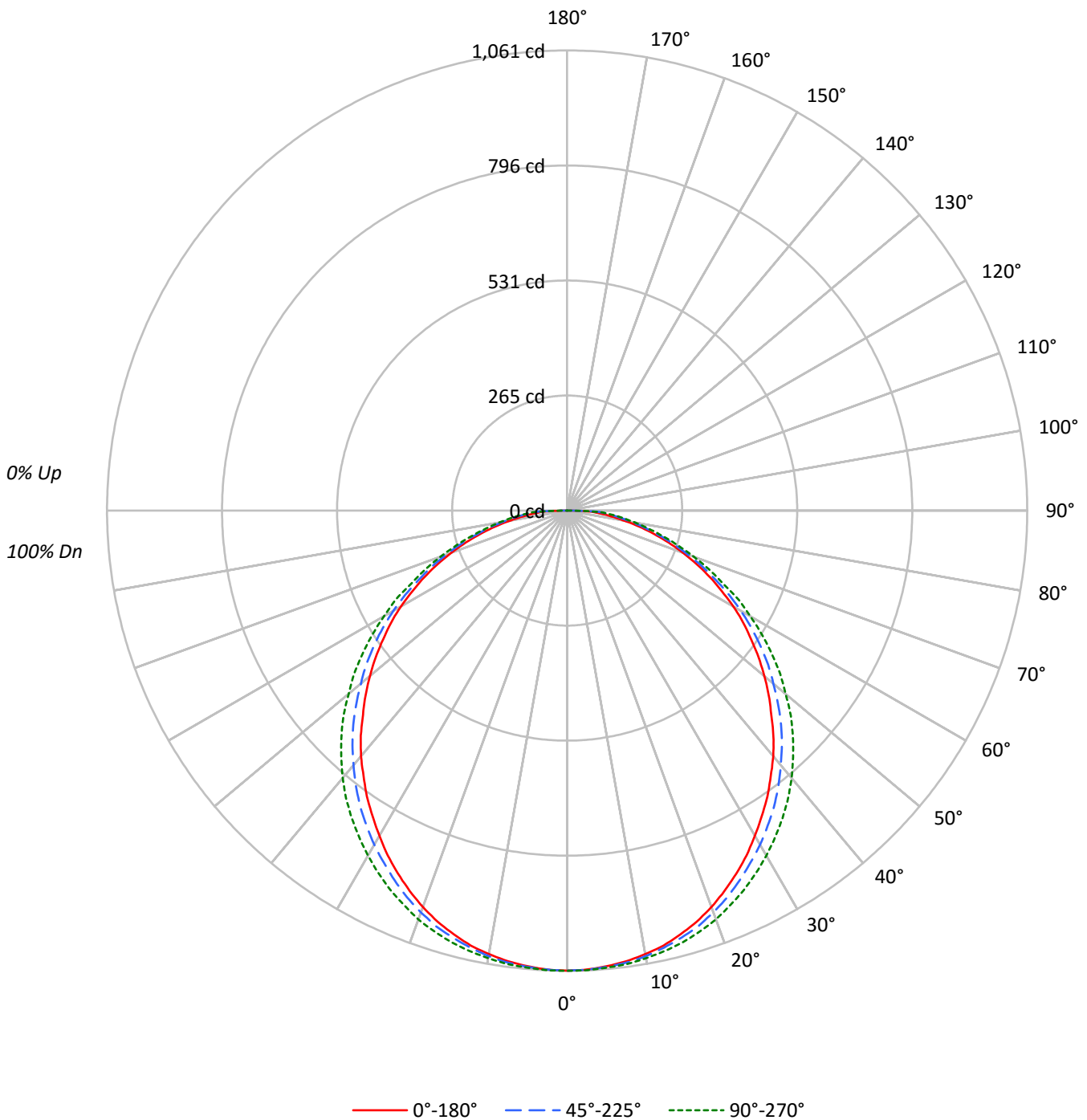
Lumens per Lamp: N/A
Luminaire Lumens: 3077.0 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 25.6
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°	1427	1427	1427
5°	1419	1415	1418
10°	1408	1404	1411
15°	1393	1387	1404
20°	1372	1367	1394
25°	1345	1342	1379
30°	1313	1315	1362
35°	1285	1287	1344
40°	1255	1253	1321
45°	1216	1220	1293
50°	1184	1176	1252
55°	1148	1133	1207
60°	1112	1079	1148
65°	1061	1011	1067
70°	1000	937	994
75°	929	857	907
80°	832	776	833
85°	786	737	797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	3.3
10°-20°	287.7	9.3
20°-30°	434.1	14.1
30°-40°	521.1	16.9
40°-50°	539.3	17.5
50°-60°	488.5	15.9
60°-70°	376.4	12.2
70°-80°	232.9	7.6
80°-90°	96.7	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°	822.2	26.7
0°-40°	1343.3	43.7
0°-60°	2371.0	77.1
0°-90°	3077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1054	1054	1056	1056	1058	100
15°	1011	1013	1019	1026	1030	285
25°	923	926	941	957	965	425
35°	805	811	832	854	866	503
45°	666	675	698	723	736	515
55°	518	526	544	568	576	464
65°	363	366	378	394	395	359
75°	206	211	219	229	229	219
85°	75	83	96	102	101	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1060.9	1060.9	1060.9	1060.9	1060.9
2.5°	1059.3	1059.3	1059.3	1059.3	1060.9
5°	1054.5	1054.5	1056.1	1056.1	1057.7
7.5°	1048.1	1048.1	1051.3	1051.3	1054.5
10°	1038.5	1040.1	1043.3	1044.9	1048.1
12.5°	1027.3	1027.3	1032.1	1036.9	1040.1
15°	1011.3	1012.9	1019.3	1025.7	1030.5
17.5°	993.7	995.3	1004.9	1011.3	1017.7
20°	972.9	974.5	985.7	995.3	1003.3
22.5°	948.9	952.1	964.9	977.7	984.1
25°	923.3	926.5	940.9	956.9	964.9
27.5°	896.1	900.9	915.3	932.9	942.5
30°	865.7	872.1	889.7	908.9	918.5
32.5°	835.3	841.7	860.9	883.3	892.9
35°	804.9	811.3	832.1	854.5	865.7
37.5°	771.3	777.7	800.1	824.1	836.9
40°	739.3	745.7	766.5	793.7	804.9
42.5°	704.1	710.5	732.9	758.5	771.3
45°	665.7	675.3	697.7	723.3	736.1
47.5°	630.5	638.5	659.3	686.5	699.3
50°	593.6	601.6	620.9	648.1	657.7
52.5°	556.8	564.8	584.0	609.7	619.3
55°	518.4	526.4	544.0	568.0	576.0
57.5°	481.6	488.0	504.0	526.4	532.8
60°	443.2	449.6	462.4	483.2	488.0
62.5°	401.6	406.4	420.8	440.0	446.4
65°	363.2	366.4	377.6	393.6	395.2
67.5°	323.2	326.4	337.6	348.8	353.6
70°	283.2	288.0	296.0	307.2	310.4
72.5°	244.8	249.6	257.6	267.2	268.8
75°	206.4	211.2	219.2	228.8	228.8
77.5°	169.6	174.4	184.0	192.0	192.0
80°	132.8	140.8	150.4	158.4	158.4
82.5°	102.4	108.8	121.6	128.0	128.0
85°	75.2	83.2	96.0	102.4	100.8
87.5°	54.4	62.4	73.6	78.4	76.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)