

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: P385346

Luminaire Tested: **24ID-30-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385346
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-L830-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

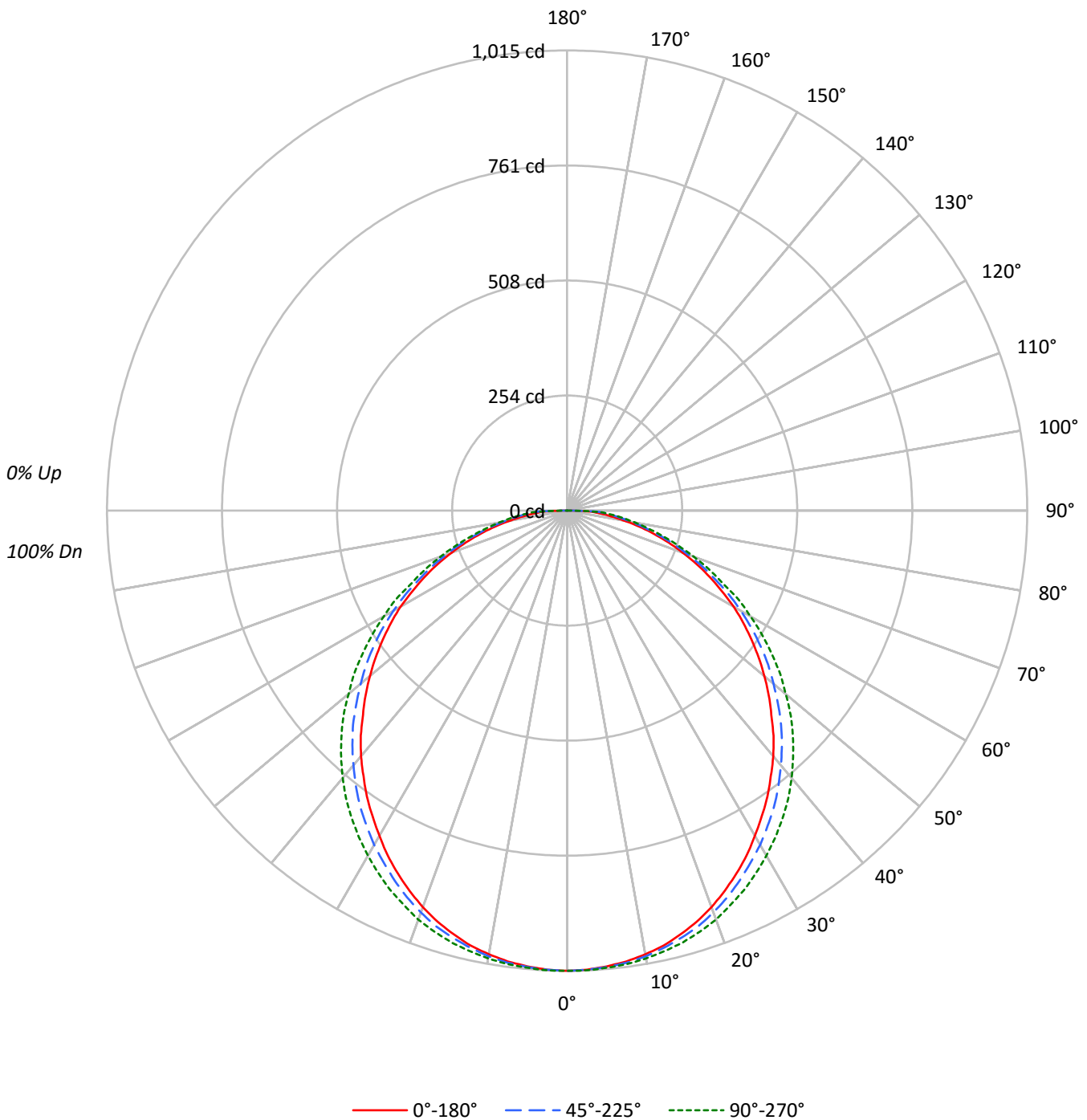
Lumens per Lamp: N/A
Luminaire Lumens: 2944.3 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 25.8
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°	1366	1366	1366
5°	1358	1354	1357
10°	1348	1343	1350
15°	1333	1327	1343
20°	1313	1308	1334
25°	1287	1284	1319
30°	1257	1258	1303
35°	1229	1232	1286
40°	1201	1199	1264
45°	1163	1167	1237
50°	1133	1125	1198
55°	1098	1084	1155
60°	1064	1033	1098
65°	1016	967	1022
70°	957	897	951
75°	889	820	868
80°	797	743	798
85°	753	706	763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	3.3
10°-20°	275.3	9.3
20°-30°	415.4	14.1
30°-40°	498.6	16.9
40°-50°	516.0	17.5
50°-60°	467.5	15.9
60°-70°	360.2	12.2
70°-80°	222.9	7.6
80°-90°	92.6	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°	786.7	26.7
0°-40°	1285.3	43.7
0°-60°	2268.7	77.1
0°-90°	2944.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2944.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1015	1015	1015	1015	1015	
5°	1009	1009	1010	1010	1012	96
15°	968	969	975	982	986	273
25°	884	886	900	916	923	407
35°	770	776	796	818	828	481
45°	637	646	668	692	704	493
55°	496	504	521	544	551	444
65°	348	351	361	377	378	344
75°	198	202	210	219	219	209
85°	72	80	92	98	96	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	1013.6	1013.6	1013.6	1013.6	1015.1
5°	1009.0	1009.0	1010.5	1010.5	1012.1
7.5°	1002.9	1002.9	1005.9	1005.9	1009.0
10°	993.7	995.2	998.3	999.8	1002.9
12.5°	983.0	983.0	987.6	992.2	995.2
15°	967.7	969.2	975.3	981.5	986.0
17.5°	950.8	952.4	961.5	967.7	973.8
20°	930.9	932.5	943.2	952.4	960.0
22.5°	908.0	911.0	923.3	935.5	941.6
25°	883.5	886.5	900.3	915.6	923.3
27.5°	857.4	862.0	875.8	892.6	901.8
30°	828.3	834.5	851.3	869.7	878.9
32.5°	799.2	805.4	823.7	845.2	854.4
35°	770.2	776.3	796.2	817.6	828.3
37.5°	738.0	744.1	765.6	788.5	800.8
40°	707.4	713.5	733.4	759.4	770.2
42.5°	673.7	679.8	701.3	725.8	738.0
45°	636.9	646.1	667.6	692.1	704.3
47.5°	603.3	610.9	630.8	656.9	669.1
50°	568.0	575.7	594.1	620.1	629.3
52.5°	532.8	540.5	558.9	583.4	592.5
55°	496.1	503.7	520.6	543.5	551.2
57.5°	460.9	467.0	482.3	503.7	509.9
60°	424.1	430.2	442.5	462.4	467.0
62.5°	384.3	388.9	402.7	421.1	427.2
65°	347.6	350.6	361.3	376.7	378.2
67.5°	309.3	312.3	323.1	333.8	338.4
70°	271.0	275.6	283.3	294.0	297.0
72.5°	234.3	238.9	246.5	255.7	257.2
75°	197.5	202.1	209.8	219.0	219.0
77.5°	162.3	166.9	176.1	183.7	183.7
80°	127.1	134.7	143.9	151.6	151.6
82.5°	98.0	104.1	116.4	122.5	122.5
85°	72.0	79.6	91.9	98.0	96.5
87.5°	52.1	59.7	70.4	75.0	73.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)