

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: P385179

Luminaire Tested: **24ID-30-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-30-L835-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

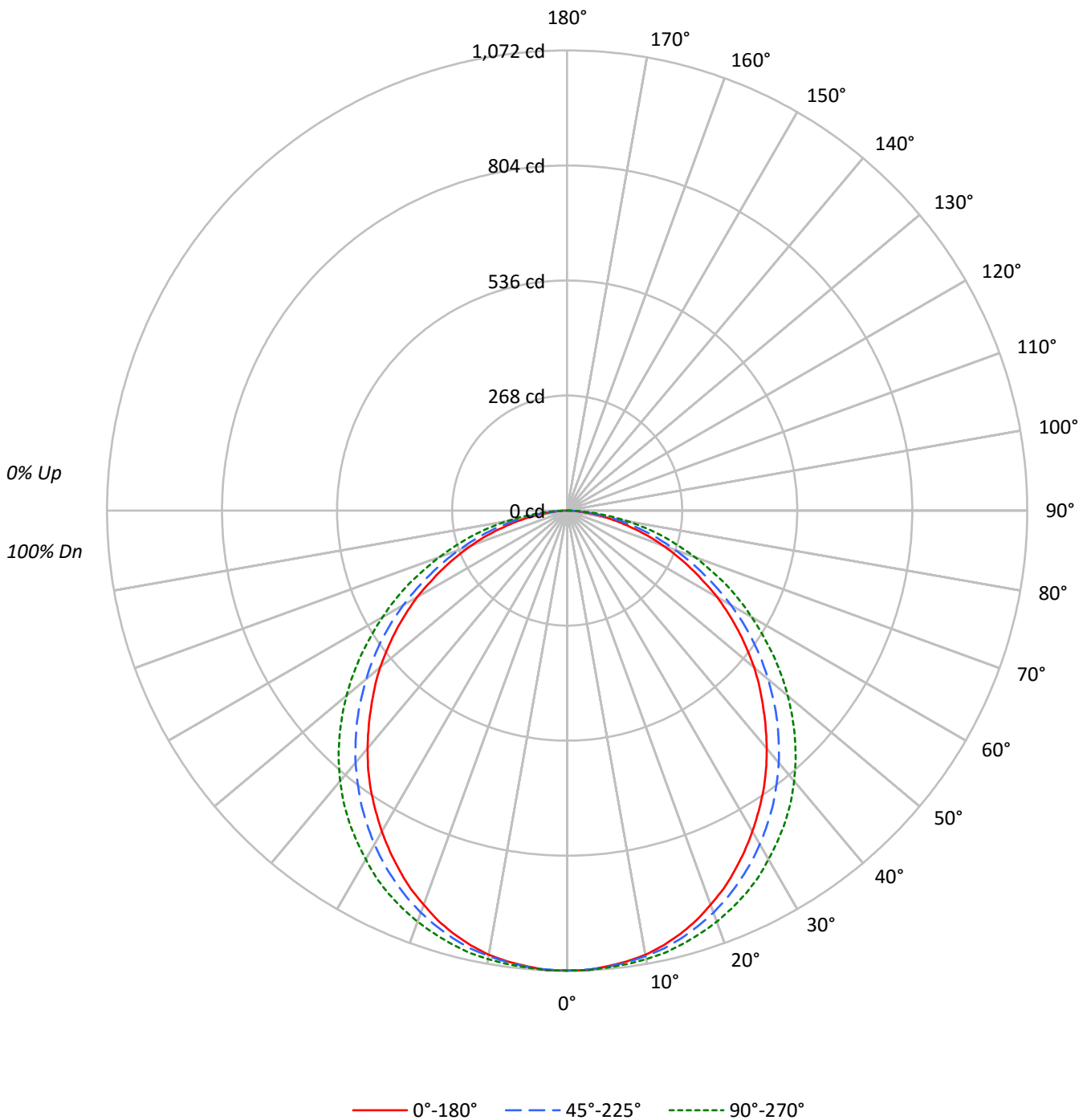
Lumens per Lamp: N/A
Luminaire Lumens: 2975.6 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P385179
CATALOG NUMBER: 24ID-30-L835-CNC

Luminous Intensity Polar Plot





TEST NUMBER: P385179

CATALOG NUMBER: 24ID-30-L835-CNC

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	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1442	1442	1442
5°	1439	1441	1443
10°	1436	1440	1450
15°	1422	1436	1455
20°	1399	1427	1459
25°	1373	1413	1462
30°	1341	1395	1457
35°	1309	1373	1455
40°	1271	1347	1445
45°	1228	1317	1428
50°	1191	1279	1404
55°	1141	1239	1373
60°	1087	1188	1337
65°	1013	1118	1300
70°	933	1051	1246
75°	827	975	1194
80°	698	872	1105
85°	509	672	880



TEST NUMBER: P385179

CATALOG NUMBER: 24ID-30-L835-CNC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	3.4
10°-20°	291.0	9.8
20°-30°	438.9	14.8
30°-40°	524.0	17.6
40°-50°	535.6	18.0
50°-60°	474.9	16.0
60°-70°	354.0	11.9
70°-80°	202.3	6.8
80°-90°	53.3	1.8
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°	831.4	27.9
0°-40°	1355.5	45.6
0°-60°	2366.0	79.5
0°-90°	2975.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2975.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1072	1072	1072	1072	1072	
5°	1066	1066	1067	1067	1069	101
15°	1021	1024	1031	1040	1045	288
25°	925	932	952	973	985	426
35°	797	808	836	869	886	498
45°	645	659	692	730	750	499
55°	486	495	528	566	585	435
65°	318	326	351	387	408	315
75°	159	167	188	216	230	170
85°	33	34	44	54	57	41
90°	0	0	0	0	0	



TEST NUMBER: P385179

CATALOG NUMBER: 24ID-30-L835-CNC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1071.7	1071.7	1071.7	1071.7	1071.7
2.5°	1071.7	1070.2	1070.2	1070.2	1071.7
5°	1065.7	1065.7	1067.2	1067.2	1068.7
7.5°	1059.7	1059.7	1061.2	1062.7	1065.7
10°	1050.7	1050.7	1053.7	1058.2	1061.2
12.5°	1037.2	1038.7	1044.7	1050.7	1055.2
15°	1020.7	1023.7	1031.2	1040.2	1044.7
17.5°	1001.2	1004.2	1014.7	1026.7	1032.7
20°	977.1	983.1	996.7	1011.7	1019.2
22.5°	953.1	959.1	975.6	993.7	1002.7
25°	924.6	932.1	951.6	972.6	984.6
27.5°	894.6	903.6	926.1	950.1	963.6
30°	863.1	873.6	897.6	924.6	938.1
32.5°	830.0	840.6	867.6	897.6	912.6
35°	797.0	807.5	836.1	869.1	885.6
37.5°	761.0	771.5	801.5	837.6	855.6
40°	723.5	735.5	767.0	803.0	822.5
42.5°	684.5	698.0	729.5	768.5	788.0
45°	645.4	658.9	692.0	729.5	750.5
47.5°	607.9	618.4	651.4	690.5	711.5
50°	568.9	577.9	610.9	649.9	670.9
52.5°	526.8	538.9	570.4	609.4	628.9
55°	486.3	495.3	528.3	565.9	585.4
57.5°	444.3	453.3	484.8	522.3	540.4
60°	403.8	412.8	441.3	478.8	496.8
62.5°	358.7	367.7	396.3	435.3	453.3
65°	318.2	325.7	351.2	387.3	408.3
67.5°	277.7	285.2	309.2	343.7	360.2
70°	237.2	243.2	267.2	298.7	316.7
72.5°	198.1	204.1	228.2	256.7	271.7
75°	159.1	166.6	187.6	216.1	229.7
77.5°	123.1	130.6	148.6	174.1	186.1
80°	90.1	96.1	112.6	132.1	142.6
82.5°	60.0	64.5	76.6	93.1	100.6
85°	33.0	34.5	43.5	54.0	57.0
87.5°	13.5	13.5	16.5	18.0	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)