

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: P385295

Luminaire Tested: **22ID-30-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385295
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-30-L835-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

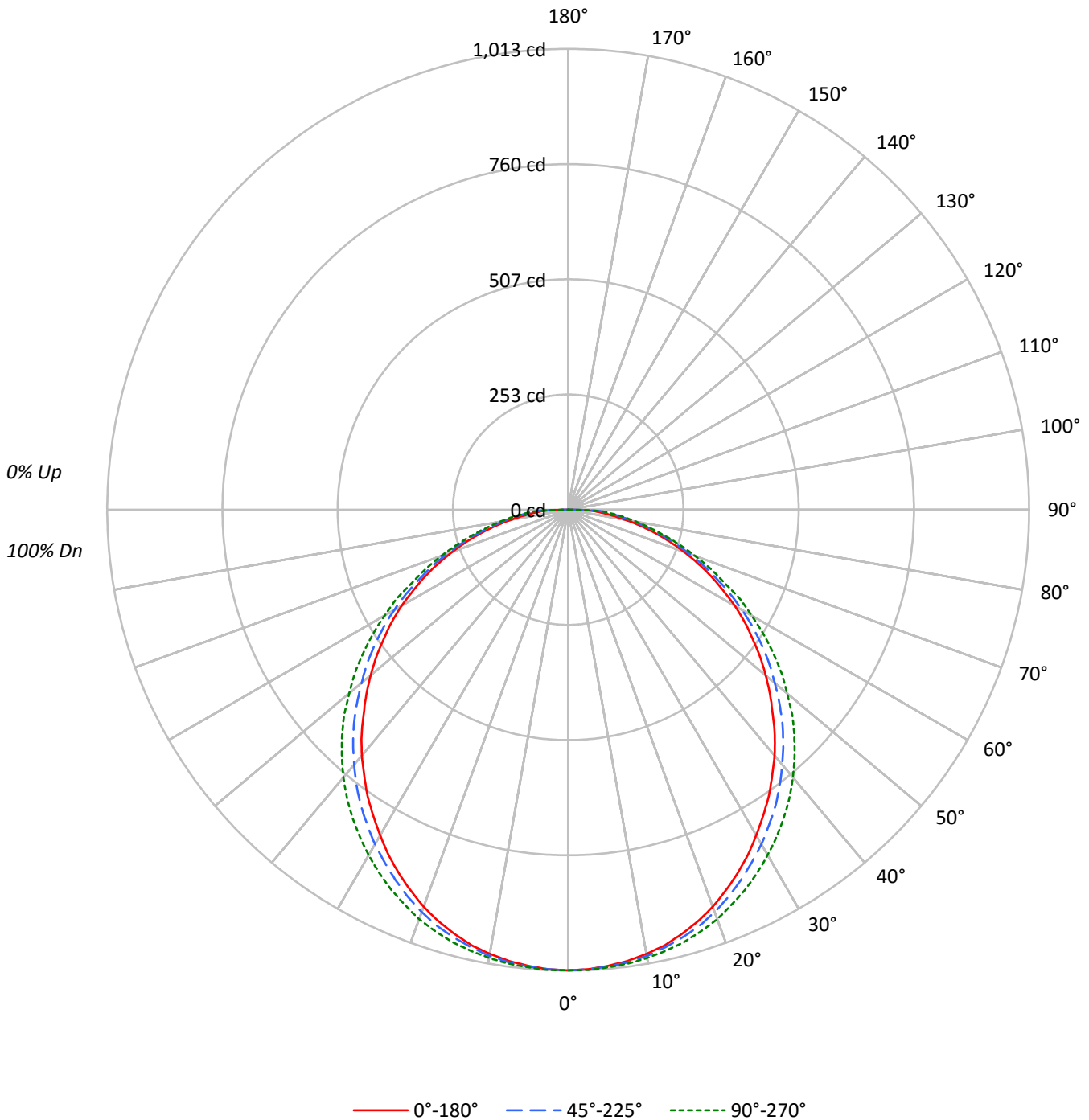
Lumens per Lamp: N/A
Luminaire Lumens: 2937.1 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.2
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°	2725	2725	2725
5°	2699	2695	2707
10°	2669	2666	2694
15°	2630	2627	2680
20°	2581	2584	2662
25°	2519	2528	2632
30°	2450	2471	2599
35°	2385	2410	2565
40°	2317	2339	2523
45°	2232	2267	2468
50°	2158	2175	2391
55°	2075	2085	2306
60°	1990	1973	2191
65°	1873	1832	2038
70°	1730	1680	1897
75°	1562	1511	1732
80°	1334	1334	1591
85°	1135	1205	1521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	3.3
10°-20°	274.6	9.3
20°-30°	414.4	14.1
30°-40°	497.4	16.9
40°-50°	514.7	17.5
50°-60°	466.3	15.9
60°-70°	359.3	12.2
70°-80°	222.3	7.6
80°-90°	92.3	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°	784.8	26.7
0°-40°	1282.1	43.7
0°-60°	2263.2	77.1
0°-90°	2937.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2937.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1013	1013	1013	1013	1013	
5°	1006	1006	1008	1008	1010	96
15°	965	967	973	979	984	272
25°	881	884	898	913	921	406
35°	768	774	794	816	826	480
45°	635	645	666	690	703	491
55°	495	502	519	542	550	443
65°	347	350	360	376	377	343
75°	197	202	209	218	218	209
85°	72	79	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°	1012.7	1012.7	1012.7	1012.7	1012.7
2.5°	1011.1	1011.1	1011.1	1011.1	1012.7
5°	1006.5	1006.5	1008.1	1008.1	1009.6
7.5°	1000.4	1000.4	1003.5	1003.5	1006.5
10°	991.3	992.8	995.9	997.4	1000.4
12.5°	980.6	980.6	985.2	989.7	992.8
15°	965.3	966.8	972.9	979.1	983.6
17.5°	948.5	950.0	959.2	965.3	971.4
20°	928.6	930.2	940.9	950.0	957.7
22.5°	905.7	908.8	921.0	933.2	939.3
25°	881.3	884.4	898.1	913.4	921.0
27.5°	855.3	859.9	873.7	890.5	899.6
30°	826.3	832.4	849.2	867.6	876.7
32.5°	797.3	803.4	821.7	843.1	852.3
35°	768.3	774.4	794.2	815.6	826.3
37.5°	736.2	742.3	763.7	786.6	798.8
40°	705.6	711.8	731.6	757.6	768.3
42.5°	672.0	678.2	699.5	724.0	736.2
45°	635.4	644.6	665.9	690.4	702.6
47.5°	601.8	609.4	629.3	655.2	667.5
50°	566.7	574.3	592.6	618.6	627.8
52.5°	531.5	539.2	557.5	581.9	591.1
55°	494.9	502.5	519.3	542.2	549.9
57.5°	459.7	465.9	481.1	502.5	508.6
60°	423.1	429.2	441.4	461.3	465.9
62.5°	383.4	388.0	401.7	420.0	426.1
65°	346.7	349.8	360.5	375.7	377.3
67.5°	308.5	311.6	322.3	333.0	337.6
70°	270.3	274.9	282.6	293.3	296.3
72.5°	233.7	238.3	245.9	255.1	256.6
75°	197.0	201.6	209.3	218.4	218.4
77.5°	161.9	166.5	175.6	183.3	183.3
80°	126.8	134.4	143.6	151.2	151.2
82.5°	97.8	103.9	116.1	122.2	122.2
85°	71.8	79.4	91.6	97.8	96.2
87.5°	51.9	59.6	70.3	74.8	73.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)