

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: P385238

Luminaire Tested: **14ID-30-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385238
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: 14ID-30-L830-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

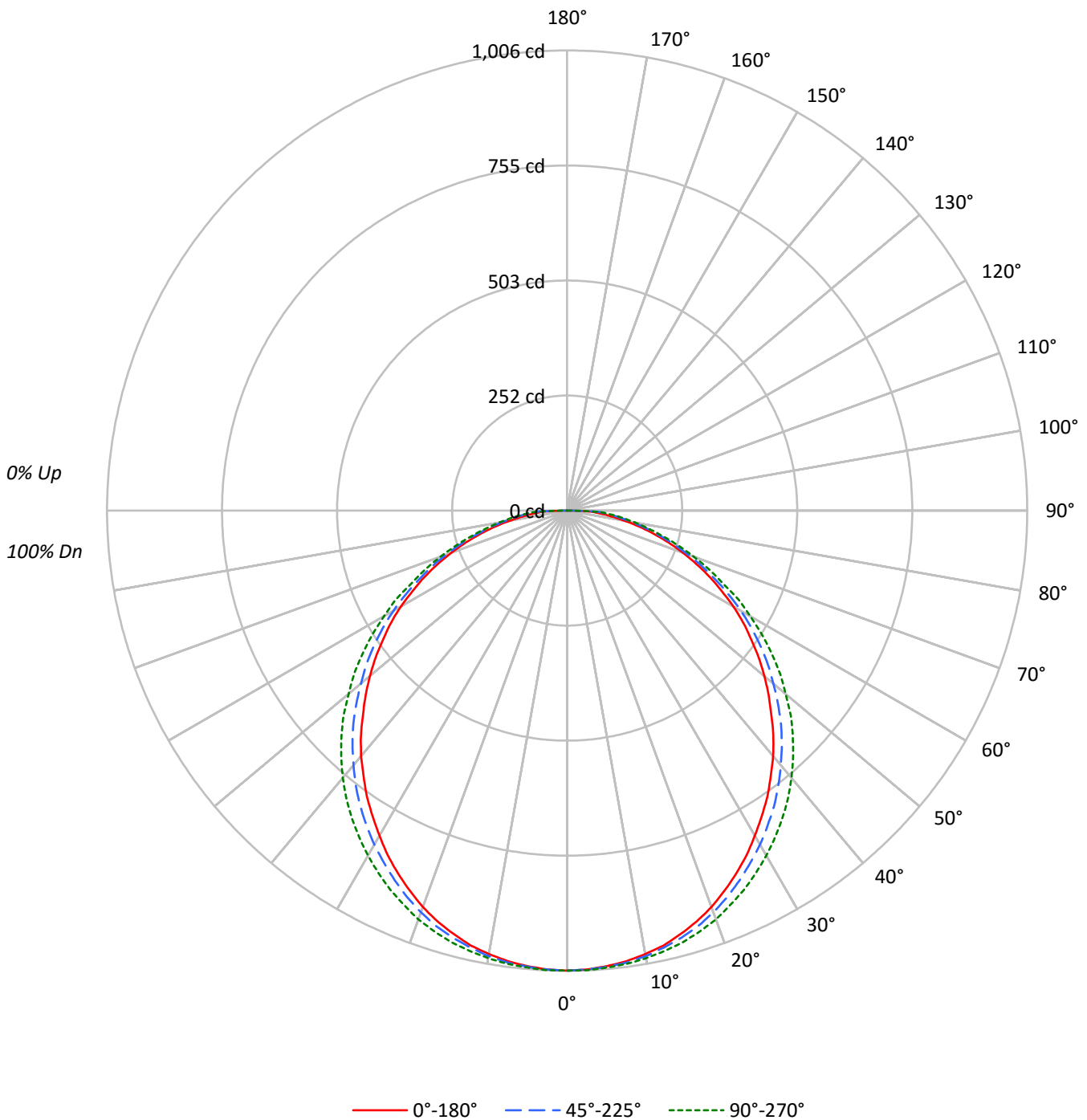
Lumens per Lamp: N/A
Luminaire Lumens: 2916.8 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.8
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°	2706	2706	2706
5°	2690	2670	2669
10°	2670	2634	2637
15°	2641	2590	2605
20°	2601	2540	2568
25°	2549	2478	2520
30°	2490	2415	2468
35°	2435	2349	2414
40°	2379	2272	2351
45°	2305	2194	2276
50°	2244	2096	2177
55°	2176	1999	2069
60°	2109	1880	1932
65°	2012	1732	1758
70°	1896	1572	1588
75°	1761	1394	1390
80°	1578	1204	1197
85°	1491	1047	1016



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	3.3
10°-20°	272.7	9.3
20°-30°	411.5	14.1
30°-40°	493.9	16.9
40°-50°	511.2	17.5
50°-60°	463.1	15.9
60°-70°	356.8	12.2
70°-80°	220.8	7.6
80°-90°	91.7	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°	779.4	26.7
0°-40°	1273.3	43.7
0°-60°	2247.5	77.1
0°-90°	2916.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2916.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1006	1006	1006	1006	1006	
5°	1000	1000	1001	1001	1003	95
15°	959	960	966	972	977	270
25°	875	878	892	907	915	403
35°	763	769	789	810	821	477
45°	631	640	661	686	698	488
55°	492	499	516	538	546	440
65°	344	347	358	373	375	340
75°	196	200	208	217	217	207
85°	71	79	91	97	96	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1005.7	1005.7	1005.7	1005.7	1005.7
2.5°	1004.1	1004.1	1004.1	1004.1	1005.7
5°	999.6	999.6	1001.1	1001.1	1002.6
7.5°	993.5	993.5	996.6	996.6	999.6
10°	984.4	985.9	989.0	990.5	993.5
12.5°	973.8	973.8	978.4	982.9	985.9
15°	958.6	960.1	966.2	972.3	976.8
17.5°	941.9	943.5	952.6	958.6	964.7
20°	922.2	923.7	934.4	943.5	951.0
22.5°	899.5	902.5	914.6	926.8	932.8
25°	875.2	878.2	891.9	907.1	914.6
27.5°	849.4	854.0	867.6	884.3	893.4
30°	820.6	826.7	843.4	861.6	870.7
32.5°	791.8	797.8	816.1	837.3	846.4
35°	763.0	769.0	788.7	810.0	820.6
37.5°	731.1	737.2	758.4	781.2	793.3
40°	700.8	706.8	726.6	752.3	763.0
42.5°	667.4	673.5	694.7	719.0	731.1
45°	631.0	640.1	661.3	685.6	697.7
47.5°	597.6	605.2	624.9	650.7	662.9
50°	562.7	570.3	588.5	614.3	623.4
52.5°	527.9	535.4	553.6	577.9	587.0
55°	491.5	499.0	515.7	538.5	546.1
57.5°	456.6	462.6	477.8	499.0	505.1
60°	420.2	426.2	438.4	458.1	462.6
62.5°	380.7	385.3	398.9	417.1	423.2
65°	344.3	347.4	358.0	373.1	374.7
67.5°	306.4	309.4	320.0	330.7	335.2
70°	268.5	273.0	280.6	291.2	294.3
72.5°	232.1	236.6	244.2	253.3	254.8
75°	195.7	200.2	207.8	216.9	216.9
77.5°	160.8	165.3	174.4	182.0	182.0
80°	125.9	133.5	142.6	150.2	150.2
82.5°	97.1	103.1	115.3	121.3	121.3
85°	71.3	78.9	91.0	97.1	95.6
87.5°	51.6	59.2	69.8	74.3	72.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)