

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: P385280

Luminaire Tested: **14ID-80-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385280
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-80-L840-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

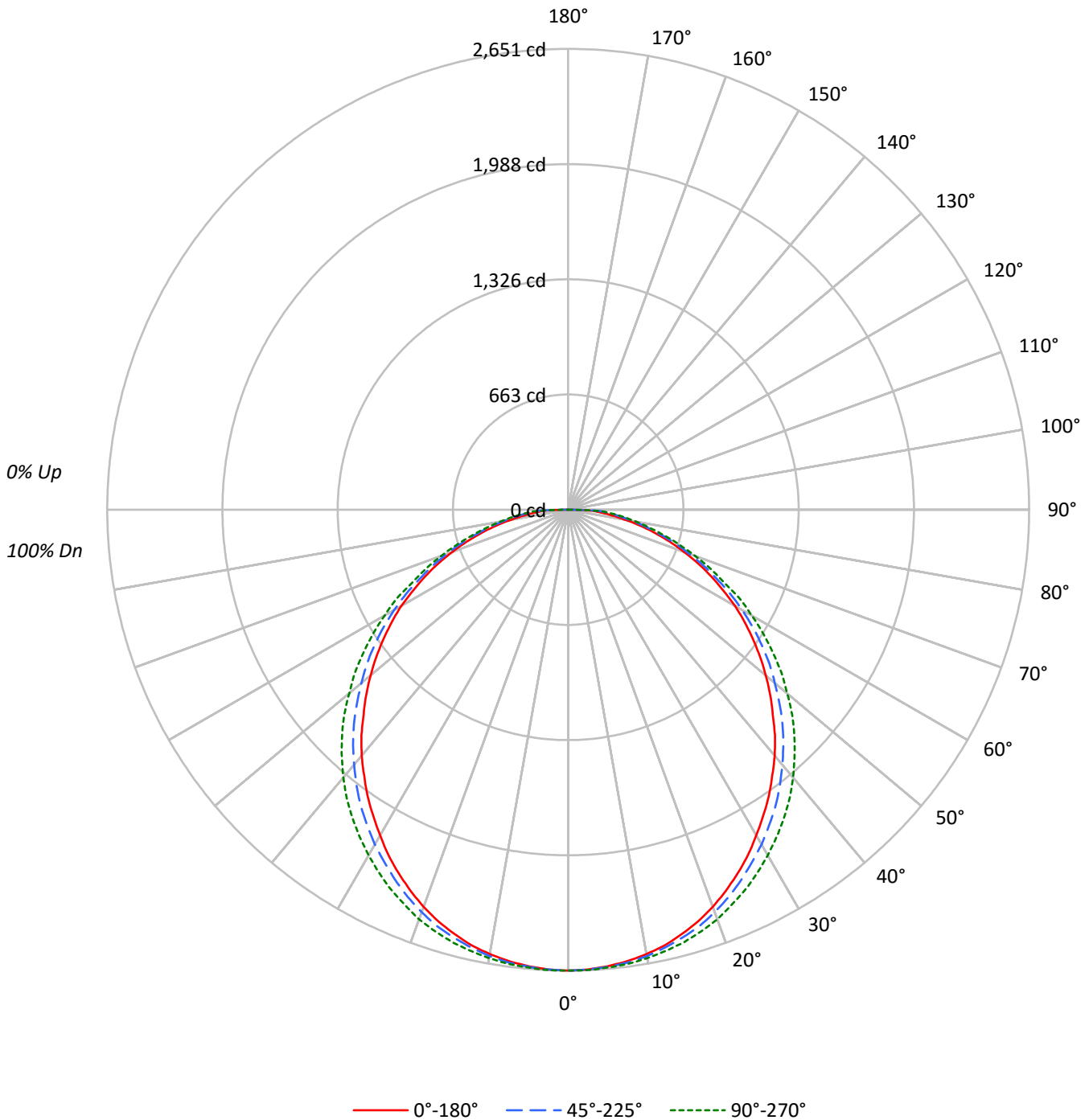
Lumens per Lamp: N/A
Luminaire Lumens: 7689.8 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 77.1
Input Voltage (V): NR
Input Current (Ain): 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°	7135	7135	7135
5°	7093	7039	7038
10°	7040	6944	6953
15°	6963	6827	6868
20°	6858	6695	6769
25°	6720	6533	6644
30°	6564	6367	6506
35°	6421	6192	6364
40°	6271	5989	6199
45°	6078	5783	6000
50°	5917	5526	5741
55°	5737	5270	5455
60°	5560	4955	5094
65°	5306	4566	4633
70°	4997	4144	4187
75°	4642	3676	3665
80°	4160	3174	3154
85°	3930	2760	2677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.9	3.3
10°-20°	718.9	9.3
20°-30°	1084.9	14.1
30°-40°	1302.2	16.9
40°-50°	1347.6	17.5
50°-60°	1220.9	15.9
60°-70°	940.6	12.2
70°-80°	582.0	7.6
80°-90°	241.7	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°	2054.7	26.7
0°-40°	3356.9	43.7
0°-60°	5925.4	77.1
0°-90°	7689.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7689.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2651	2651	2651	2651	2651	
5°	2635	2635	2639	2639	2643	250
15°	2527	2531	2547	2563	2575	713
25°	2307	2315	2351	2391	2411	1063
35°	2012	2028	2079	2135	2163	1258
45°	1664	1688	1744	1808	1840	1286
55°	1296	1316	1360	1420	1440	1160
65°	908	916	944	984	988	898
75°	516	528	548	572	572	546
85°	188	208	240	256	252	203
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2651.3	2651.3	2651.3	2651.3	2651.3
2.5°	2647.3	2647.3	2647.3	2647.3	2651.3
5°	2635.3	2635.3	2639.3	2639.3	2643.3
7.5°	2619.3	2619.3	2627.3	2627.3	2635.3
10°	2595.3	2599.3	2607.3	2611.3	2619.3
12.5°	2567.3	2567.3	2579.3	2591.3	2599.3
15°	2527.3	2531.3	2547.3	2563.3	2575.3
17.5°	2483.3	2487.3	2511.3	2527.3	2543.3
20°	2431.3	2435.3	2463.3	2487.3	2507.3
22.5°	2371.4	2379.4	2411.4	2443.3	2459.3
25°	2307.4	2315.4	2351.4	2391.4	2411.4
27.5°	2239.4	2251.4	2287.4	2331.4	2355.4
30°	2163.4	2179.4	2223.4	2271.4	2295.4
32.5°	2087.4	2103.4	2151.4	2207.4	2231.4
35°	2011.5	2027.5	2079.4	2135.4	2163.4
37.5°	1927.5	1943.5	1999.5	2059.4	2091.4
40°	1847.5	1863.5	1915.5	1983.5	2011.5
42.5°	1759.5	1775.5	1831.5	1895.5	1927.5
45°	1663.6	1687.5	1743.5	1807.5	1839.5
47.5°	1575.6	1595.6	1647.6	1715.5	1747.5
50°	1483.6	1503.6	1551.6	1619.6	1643.6
52.5°	1391.6	1411.6	1459.6	1523.6	1547.6
55°	1295.7	1315.6	1359.6	1419.6	1439.6
57.5°	1203.7	1219.7	1259.7	1315.6	1331.6
60°	1107.7	1123.7	1155.7	1207.7	1219.7
62.5°	1003.7	1015.7	1051.7	1099.7	1115.7
65°	907.8	915.8	943.7	983.7	987.7
67.5°	807.8	815.8	843.8	871.8	883.8
70°	707.8	719.8	739.8	767.8	775.8
72.5°	611.8	623.8	643.8	667.8	671.8
75°	515.9	527.9	547.9	571.8	571.8
77.5°	423.9	435.9	459.9	479.9	479.9
80°	331.9	351.9	375.9	395.9	395.9
82.5°	255.9	271.9	303.9	319.9	319.9
85°	187.9	207.9	239.9	255.9	251.9
87.5°	136.0	156.0	184.0	195.9	191.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)