

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: P385268

Luminaire Tested: **14ID-65-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385268
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-65-L840-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

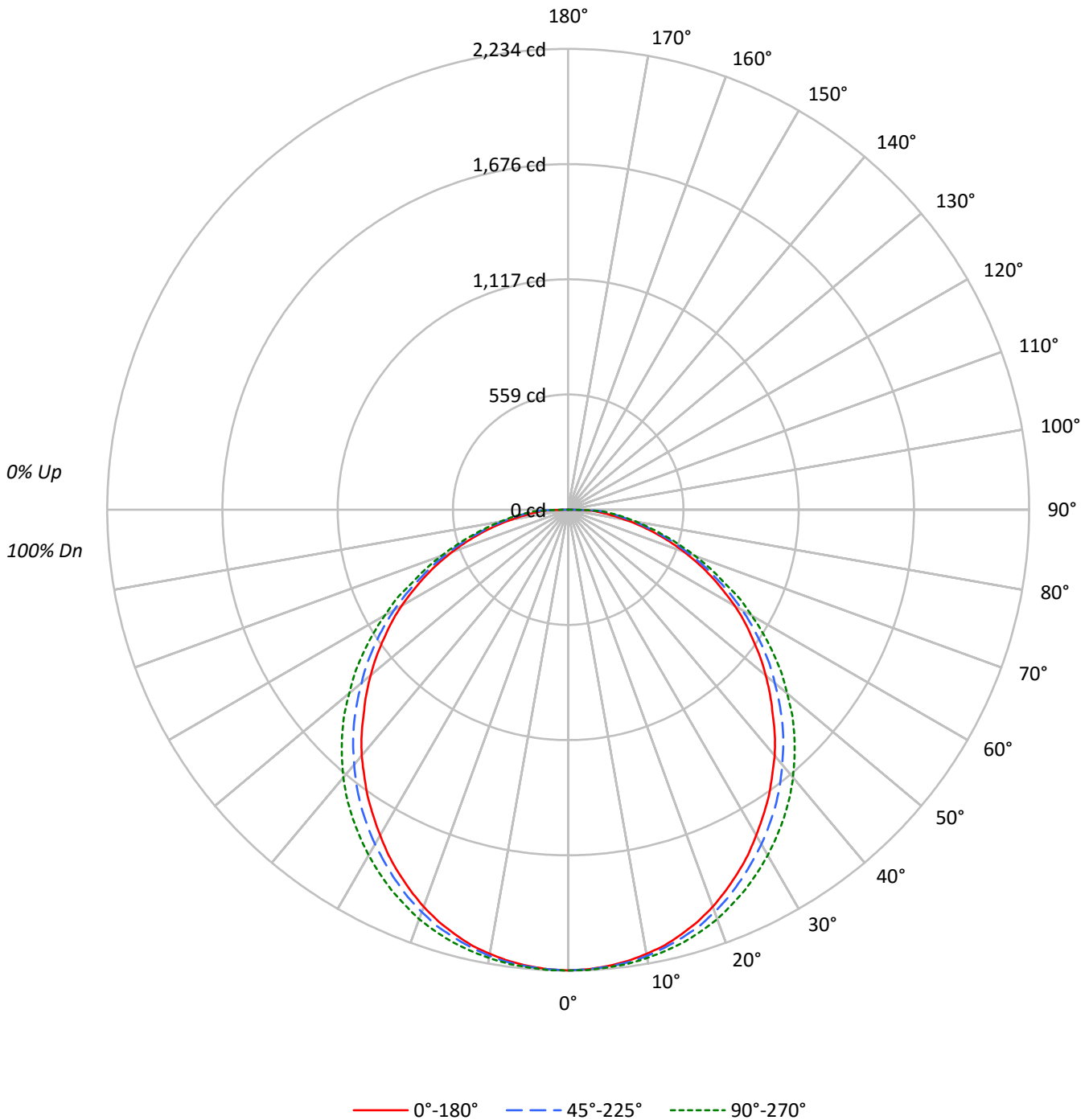
Lumens per Lamp: N/A
Luminaire Lumens: 6478.4 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 58.4
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°	6011	6011	6011
5°	5975	5930	5929
10°	5931	5850	5858
15°	5866	5752	5786
20°	5778	5641	5703
25°	5662	5504	5597
30°	5530	5364	5481
35°	5409	5217	5362
40°	5283	5045	5222
45°	5120	4872	5055
50°	4985	4655	4836
55°	4833	4440	4596
60°	4684	4175	4291
65°	4470	3847	3903
70°	4210	3491	3527
75°	3910	3096	3088
80°	3505	2674	2657
85°	3311	2325	2255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.3	3.3
10°-20°	605.7	9.3
20°-30°	914.0	14.1
30°-40°	1097.1	16.9
40°-50°	1135.3	17.5
50°-60°	1028.5	15.9
60°-70°	792.4	12.2
70°-80°	490.4	7.6
80°-90°	203.7	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°	1731.0	26.7
0°-40°	2828.0	43.7
0°-60°	4991.9	77.1
0°-90°	6478.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6478.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2234	2234	2234	2234	2234	
5°	2220	2220	2224	2224	2227	211
15°	2129	2133	2146	2160	2170	600
25°	1944	1951	1981	2015	2032	895
35°	1695	1708	1752	1799	1823	1059
45°	1402	1422	1469	1523	1550	1084
55°	1092	1108	1145	1196	1213	977
65°	765	772	795	829	832	756
75°	435	445	462	482	482	460
85°	158	175	202	216	212	171
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2233.6	2233.6	2233.6	2233.6	2233.6
2.5°	2230.3	2230.3	2230.3	2230.3	2233.6
5°	2220.1	2220.1	2223.5	2223.5	2226.9
7.5°	2206.7	2206.7	2213.4	2213.4	2220.1
10°	2186.5	2189.8	2196.6	2199.9	2206.7
12.5°	2162.9	2162.9	2173.0	2183.1	2189.8
15°	2129.2	2132.6	2146.0	2159.5	2169.6
17.5°	2092.1	2095.5	2115.7	2129.2	2142.7
20°	2048.3	2051.7	2075.3	2095.5	2112.3
22.5°	1997.8	2004.5	2031.5	2058.4	2071.9
25°	1943.9	1950.6	1980.9	2014.6	2031.5
27.5°	1886.6	1896.7	1927.0	1964.1	1984.3
30°	1822.6	1836.1	1873.1	1913.6	1933.8
32.5°	1758.6	1772.1	1812.5	1859.7	1879.9
35°	1694.6	1708.1	1751.9	1799.0	1822.6
37.5°	1623.8	1637.3	1684.5	1735.0	1762.0
40°	1556.5	1569.9	1613.7	1671.0	1694.6
42.5°	1482.3	1495.8	1543.0	1596.9	1623.8
45°	1401.5	1421.7	1468.9	1522.8	1549.7
47.5°	1327.4	1344.2	1388.0	1445.3	1472.2
50°	1249.9	1266.7	1307.2	1364.4	1384.6
52.5°	1172.4	1189.2	1229.7	1283.6	1303.8
55°	1091.5	1108.4	1145.4	1196.0	1212.8
57.5°	1014.1	1027.5	1061.2	1108.4	1121.9
60°	933.2	946.7	973.6	1017.4	1027.5
62.5°	845.6	855.7	886.0	926.5	939.9
65°	764.8	771.5	795.1	828.8	832.1
67.5°	680.5	687.3	710.9	734.4	744.5
70°	596.3	606.4	623.3	646.8	653.6
72.5°	515.5	525.6	542.4	562.6	566.0
75°	434.6	444.7	461.5	481.8	481.8
77.5°	357.1	367.2	387.4	404.3	404.3
80°	279.6	296.5	316.7	333.5	333.5
82.5°	215.6	229.1	256.0	269.5	269.5
85°	158.3	175.2	202.1	215.6	212.2
87.5°	114.5	131.4	155.0	165.1	161.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)