

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: P412688

Luminaire Tested: **14PD-60-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-60-PP3-L840
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

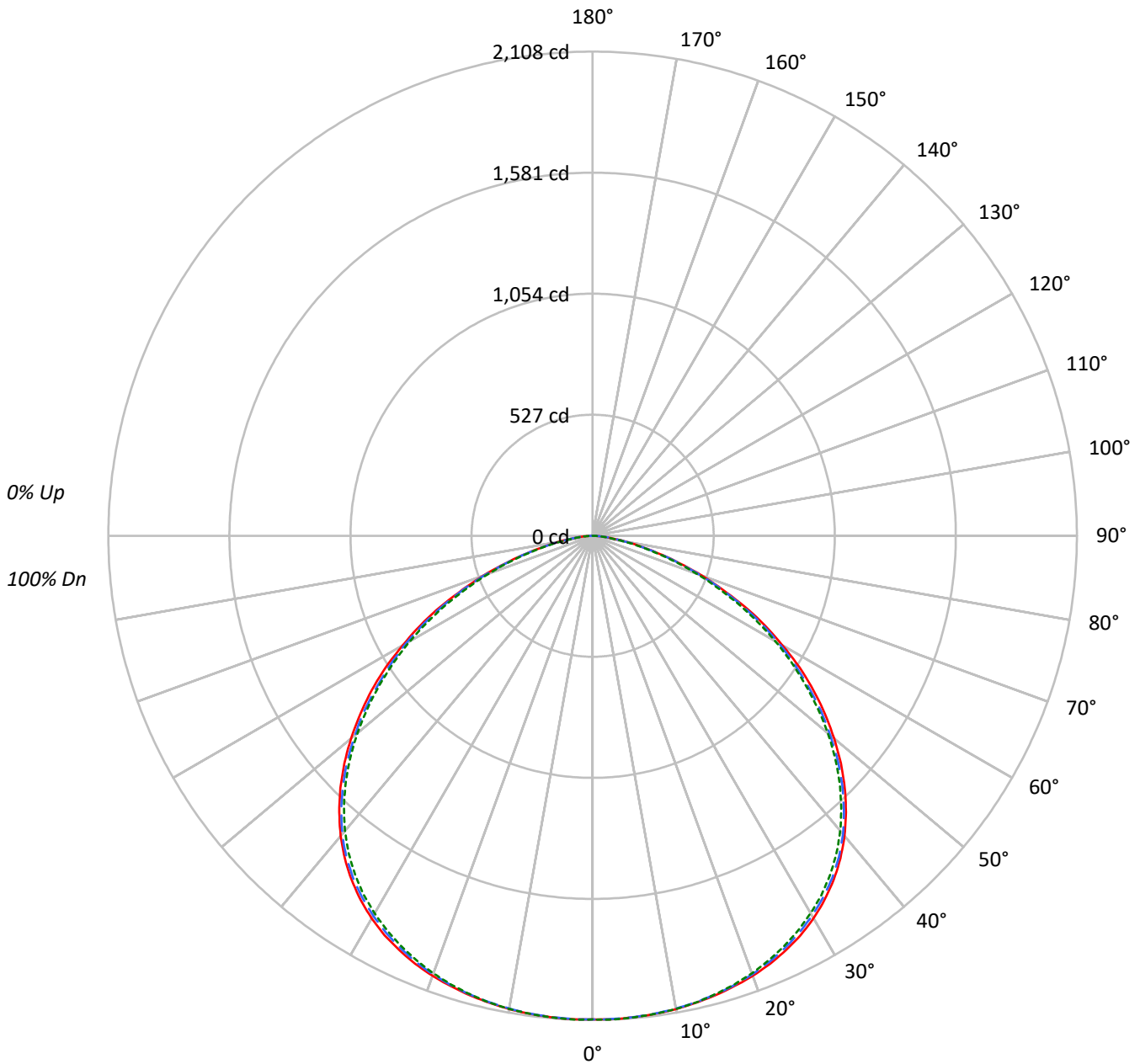
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6128.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
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: P412688
CATALOG NUMBER: 14PD-60-PP3-L840

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5667	5667	5667
5°	5682	5681	5684
10°	5718	5711	5716
15°	5768	5760	5756
20°	5838	5819	5805
25°	5911	5880	5853
30°	5977	5935	5897
35°	6009	5973	5919
40°	5993	5957	5890
45°	5908	5850	5785
50°	5745	5653	5594
55°	5508	5376	5307
60°	5132	5043	4941
65°	4652	4558	4426
70°	3970	3898	3773
75°	3100	3069	2923
80°	2287	2193	2069
85°	1380	1380	1284



TEST NUMBER: P412688

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.4	3.3
10°-20°	584.7	9.5
20°-30°	913.9	14.9
30°-40°	1135.8	18.5
40°-50°	1183.4	19.3
50°-60°	1026.9	16.8
60°-70°	706.1	11.5
70°-80°	318.6	5.2
80°-90°	58.4	1.0
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°	1698.9	27.7
0°-40°	2834.7	46.3
0°-60°	5044.9	82.3
0°-90°	6128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6128.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2106	2106	2106	2106	2106	
5°	2104	2104	2103	2101	2104	200
15°	2070	2070	2067	2066	2066	586
25°	1991	1990	1980	1972	1971	918
35°	1829	1829	1818	1808	1802	1143
45°	1552	1553	1537	1526	1520	1195
55°	1174	1167	1146	1132	1131	1046
65°	731	728	716	699	695	721
75°	298	300	295	287	281	325
85°	45	44	45	44	42	60
90°	0	0	0	0	0	



TEST NUMBER: P412688

CATALOG NUMBER: 14PD-60-PP3-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2106.0	2106.0	2106.0	2106.0	<i>2106.0</i>
2.5°	<i>2106.6</i>	<i>2106.6</i>	<i>2105.4</i>	<i>2103.6</i>	<i>2107.9</i>
5°	2103.6	2104.2	2103.0	2101.1	<i>2104.2</i>
7.5°	2099.3	2099.9	2098.1	2096.2	<i>2098.7</i>
10°	2092.5	2091.9	2090.1	2088.9	<i>2091.9</i>
12.5°	2082.7	2082.1	2080.3	2079.1	<i>2081.5</i>
15°	2070.5	2070.5	2067.4	2065.6	<i>2066.2</i>
17.5°	2055.8	2055.8	2051.5	2047.2	<i>2048.5</i>
20°	2038.7	2038.0	2031.9	2027.6	<i>2027.0</i>
22.5°	2017.2	2017.2	2008.6	2003.1	<i>2001.3</i>
25°	1990.9	1990.3	1980.5	1972.5	<i>1971.3</i>
27.5°	1960.9	1959.7	1948.0	1940.1	<i>1937.0</i>
30°	1923.5	1922.3	1910.0	1901.5	<i>1897.8</i>
32.5°	1879.4	1881.3	1867.2	1857.4	<i>1853.7</i>
35°	1829.2	1829.2	1818.2	1807.8	<i>1801.7</i>
37.5°	1771.6	1771.6	1761.2	1750.8	<i>1743.5</i>
40°	1706.1	1706.7	1695.7	1682.9	<i>1676.7</i>
42.5°	1632.6	1633.9	1619.2	1608.8	<i>1602.0</i>
45°	1552.4	1553.0	1537.1	1525.5	<i>1520.0</i>
47.5°	1465.5	1464.2	1446.5	1436.7	<i>1431.2</i>
50°	1372.4	1369.9	1350.3	1341.1	<i>1336.2</i>
52.5°	1275.0	1270.1	1253.0	1239.5	<i>1235.2</i>
55°	1174.0	1167.2	1145.8	1132.3	<i>1131.1</i>
57.5°	1068.6	1060.7	1042.9	1030.0	<i>1025.1</i>
60°	953.5	951.7	937.0	921.6	<i>918.0</i>
62.5°	845.7	840.2	827.3	809.0	<i>807.1</i>
65°	730.6	727.5	715.9	698.7	<i>695.1</i>
67.5°	611.8	614.8	605.0	589.7	<i>584.8</i>
70°	504.6	506.4	495.4	481.3	<i>479.5</i>
72.5°	396.8	399.9	390.7	381.5	<i>379.7</i>
75°	298.2	299.5	295.2	287.2	<i>281.1</i>
77.5°	211.9	216.2	211.3	205.8	<i>200.9</i>
80°	147.6	140.9	141.5	139.0	<i>133.5</i>
82.5°	88.8	85.7	85.1	82.7	<i>80.2</i>
85°	44.7	44.1	44.7	44.1	<i>41.6</i>
87.5°	14.7	15.9	16.5	16.5	<i>15.3</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



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— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)