

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: P412344

Luminaire Tested: **14PD-60-PB1-L830**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-60-PB1-L830
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

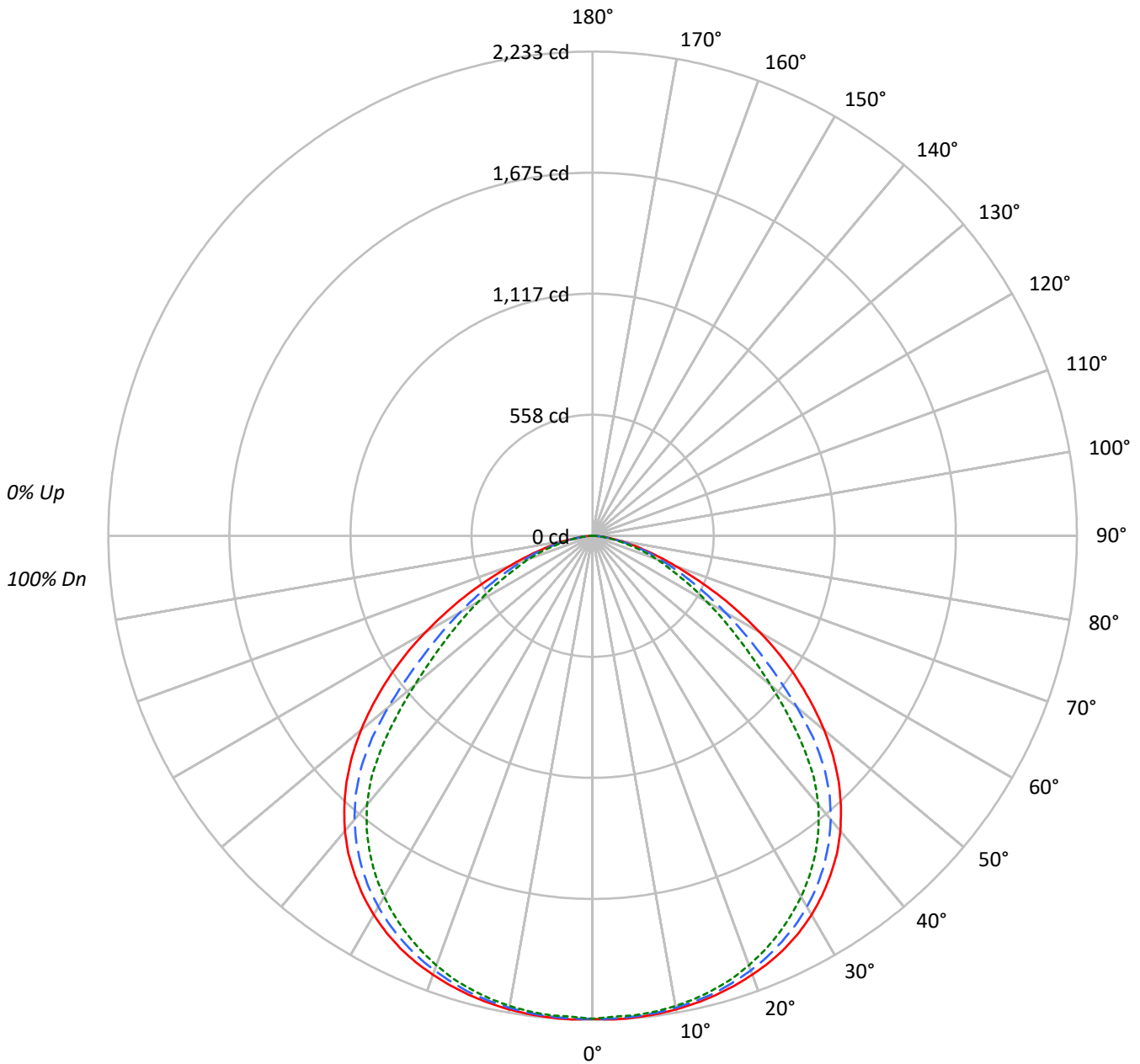
Lumens per Lamp: N/A
Luminaire Lumens: 5742.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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	110	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33			
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5994	5994	5994
5°	6025	6012	5997
10°	6061	6040	6016
15°	6110	6078	6033
20°	6169	6109	6035
25°	6232	6133	6017
30°	6273	6140	5974
35°	6278	6106	5881
40°	6242	6001	5686
45°	6106	5740	5221
50°	5835	5141	4475
55°	5404	4407	3822
60°	4800	3784	3266
65°	4028	3228	2797
70°	3194	2744	2467
75°	2496	2239	1961
80°	1860	1669	1506
85°	1235	1090	1000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.8	3.7
10°-20°	615.6	10.7
20°-30°	950.6	16.6
30°-40°	1156.9	20.1
40°-50°	1144.8	19.9
50°-60°	862.5	15.0
60°-70°	518.3	9.0
70°-80°	233.6	4.1
80°-90°	47.8	0.8
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°	1778.0	31.0
0°-40°	2934.9	51.1
0°-60°	4942.2	86.1
0°-90°	5742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5742.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2228	2228	2228	2228	2228	
5°	2230	2222	2226	2224	2220	213
15°	2193	2183	2182	2173	2166	620
25°	2099	2083	2066	2038	2026	967
35°	1911	1890	1859	1813	1790	1195
45°	1604	1577	1508	1416	1372	1233
55°	1152	1071	939	848	815	1026
65°	633	574	507	454	439	629
75°	240	228	215	195	189	262
85°	40	41	35	33	32	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2227.6	2227.6	2227.6	2227.6	2227.6
2.5°	2233.3	2223.7	2228.5	2227.6	2219.9
5°	2230.4	2221.8	2225.7	2223.7	2219.9
7.5°	2225.7	2217.1	2219.9	2217.1	2213.3
10°	2218.0	2208.5	2210.4	2204.7	2201.8
12.5°	2207.5	2196.1	2198.0	2190.4	2186.6
15°	2193.3	2182.8	2181.8	2173.2	2165.6
17.5°	2175.2	2164.7	2159.0	2149.4	2140.9
20°	2154.2	2140.9	2133.2	2116.1	2107.5
22.5°	2129.4	2115.1	2102.7	2078.9	2070.4
25°	2098.9	2082.7	2065.6	2038.0	2026.5
27.5°	2061.8	2044.6	2024.6	1994.1	1977.0
30°	2018.9	2000.8	1976.0	1940.8	1922.7
32.5°	1968.4	1948.4	1921.7	1879.8	1860.7
35°	1911.2	1890.3	1858.8	1813.1	1790.2
37.5°	1849.3	1825.5	1788.3	1733.1	1710.2
40°	1776.9	1753.1	1708.3	1644.5	1618.7
42.5°	1695.0	1671.1	1616.8	1540.6	1509.2
45°	1604.5	1576.8	1508.2	1415.8	1372.0
47.5°	1503.5	1468.2	1378.6	1265.3	1221.4
50°	1393.9	1347.2	1228.1	1111.9	1069.0
52.5°	1274.8	1215.7	1078.5	974.7	933.7
55°	1151.9	1070.9	939.4	848.0	814.6
57.5°	1024.2	927.0	817.5	737.4	706.0
60°	891.8	797.5	703.1	629.8	606.9
62.5°	756.5	679.3	601.2	533.5	521.2
65°	632.6	573.6	506.9	453.5	439.2
67.5°	507.8	474.5	423.0	386.8	370.6
70°	405.9	384.0	348.7	319.2	313.5
72.5°	317.3	303.0	289.6	263.9	253.4
75°	240.1	227.7	215.3	195.3	188.6
77.5°	173.4	168.6	158.2	144.8	142.0
80°	120.0	120.0	107.7	100.0	97.2
82.5°	74.3	81.0	67.6	62.9	60.0
85°	40.0	41.0	35.3	33.3	32.4
87.5°	15.2	17.1	16.2	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







(END OF REPORT)