

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: P412686

Luminaire Tested: **14PD-60-PP3-L830**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412686
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-L830
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

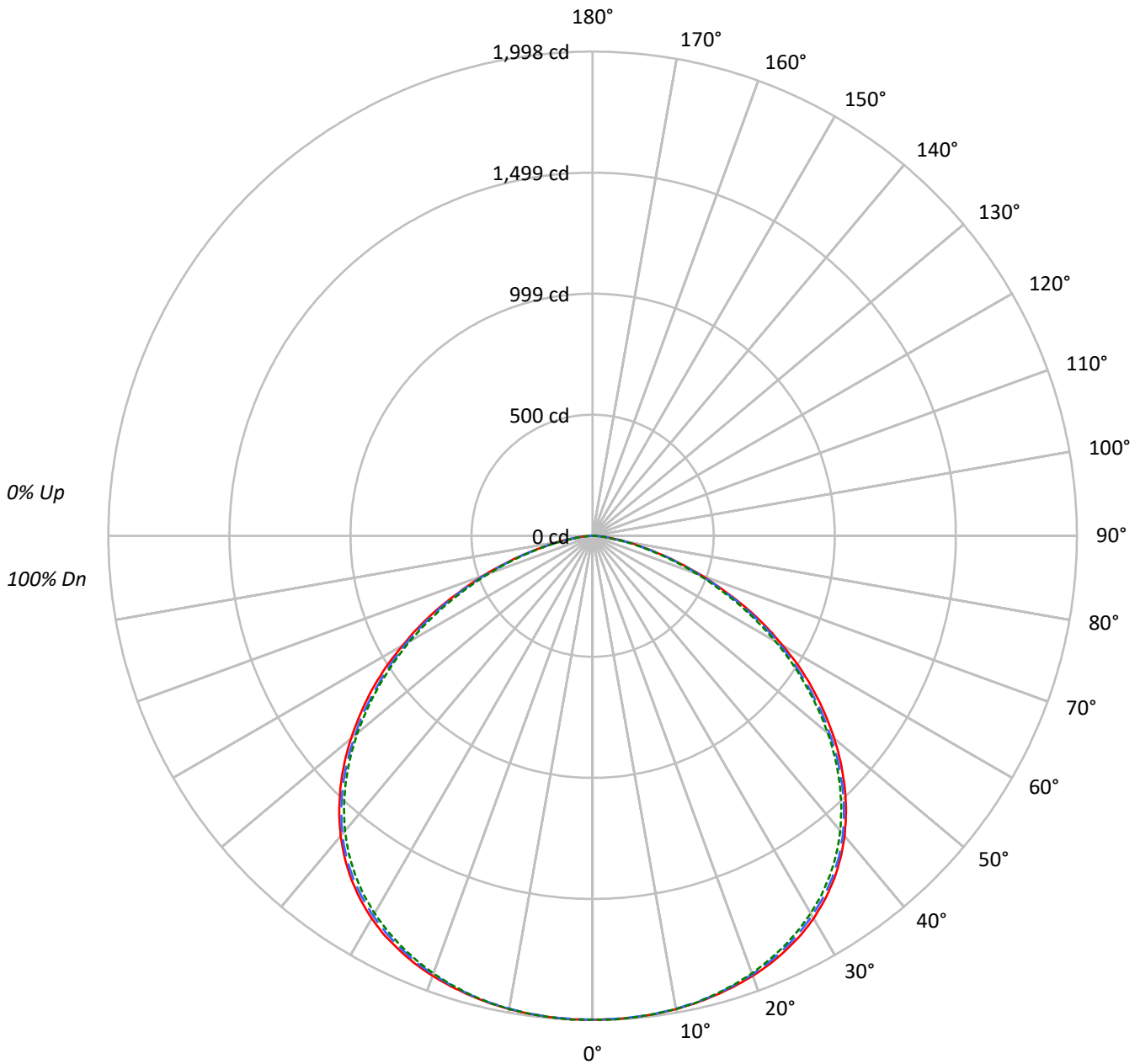
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5809.0 lumens
Efficiency: N/A
Efficacy: 98.0 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

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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°	5372	5372	5372
5°	5387	5385	5388
10°	5420	5414	5419
15°	5468	5460	5457
20°	5534	5516	5503
25°	5603	5574	5548
30°	5666	5626	5590
35°	5696	5662	5611
40°	5681	5647	5583
45°	5600	5545	5483
50°	5446	5359	5303
55°	5221	5096	5030
60°	4865	4780	4683
65°	4410	4321	4195
70°	3763	3695	3576
75°	2939	2909	2771
80°	2168	2078	1962
85°	1309	1309	1220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.9	3.3
10°-20°	554.2	9.5
20°-30°	866.3	14.9
30°-40°	1076.6	18.5
40°-50°	1121.8	19.3
50°-60°	973.4	16.8
60°-70°	669.3	11.5
70°-80°	302.1	5.2
80°-90°	55.4	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°	1610.5	27.7
0°-40°	2687.1	46.3
0°-60°	4782.3	82.3
0°-90°	5809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1996	1996	1996	1996	1996	
5°	1994	1995	1994	1992	1995	190
15°	1963	1963	1960	1958	1959	555
25°	1887	1887	1877	1870	1869	871
35°	1734	1734	1724	1714	1708	1084
45°	1472	1472	1457	1446	1441	1133
55°	1113	1106	1086	1073	1072	992
65°	693	690	679	662	659	683
75°	283	284	280	272	266	308
85°	42	42	42	42	40	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1996.4	1996.4	1996.4	1996.4	1996.4
2.5°	1997.0	1997.0	1995.8	1994.1	1998.1
5°	1994.1	1994.6	1993.5	1991.7	1994.6
7.5°	1990.0	1990.6	1988.8	1987.1	1989.4
10°	1983.6	1983.0	1981.3	1980.1	1983.0
12.5°	1974.3	1973.7	1972.0	1970.8	1973.2
15°	1962.7	1962.7	1959.8	1958.1	1958.7
17.5°	1948.8	1948.8	1944.7	1940.7	1941.8
20°	1932.5	1931.9	1926.1	1922.1	1921.5
22.5°	1912.2	1912.2	1904.1	1898.9	1897.1
25°	1887.2	1886.7	1877.4	1869.8	1868.7
27.5°	1858.8	1857.6	1846.6	1839.1	1836.2
30°	1823.4	1822.2	1810.6	1802.5	1799.0
32.5°	1781.6	1783.3	1770.0	1760.7	1757.2
35°	1734.0	1734.0	1723.5	1713.7	1707.9
37.5°	1679.4	1679.4	1669.6	1659.7	1652.7
40°	1617.3	1617.9	1607.4	1595.2	1589.4
42.5°	1547.6	1548.8	1534.9	1525.0	1518.6
45°	1471.6	1472.2	1457.1	1446.1	1440.8
47.5°	1389.2	1388.0	1371.2	1361.9	1356.7
50°	1300.9	1298.6	1280.0	1271.3	1266.7
52.5°	1208.6	1204.0	1187.7	1175.0	1170.9
55°	1112.8	1106.5	1086.1	1073.4	1072.2
57.5°	1013.0	1005.4	988.6	976.4	971.8
60°	903.9	902.1	888.2	873.7	870.2
62.5°	801.7	796.5	784.3	766.9	765.1
65°	692.6	689.6	678.6	662.4	658.9
67.5°	579.9	582.8	573.5	559.0	554.4
70°	478.3	480.1	469.6	456.3	454.5
72.5°	376.2	379.1	370.4	361.7	359.9
75°	282.7	283.9	279.8	272.3	266.5
77.5°	200.9	204.9	200.3	195.1	190.4
80°	139.9	133.5	134.1	131.8	126.6
82.5°	84.2	81.3	80.7	78.4	76.0
85°	42.4	41.8	42.4	41.8	39.5
87.5°	13.9	15.1	15.7	15.7	14.5
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)