

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: P412346

Luminaire Tested: **14PD-60-PB1-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412346
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-L840
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

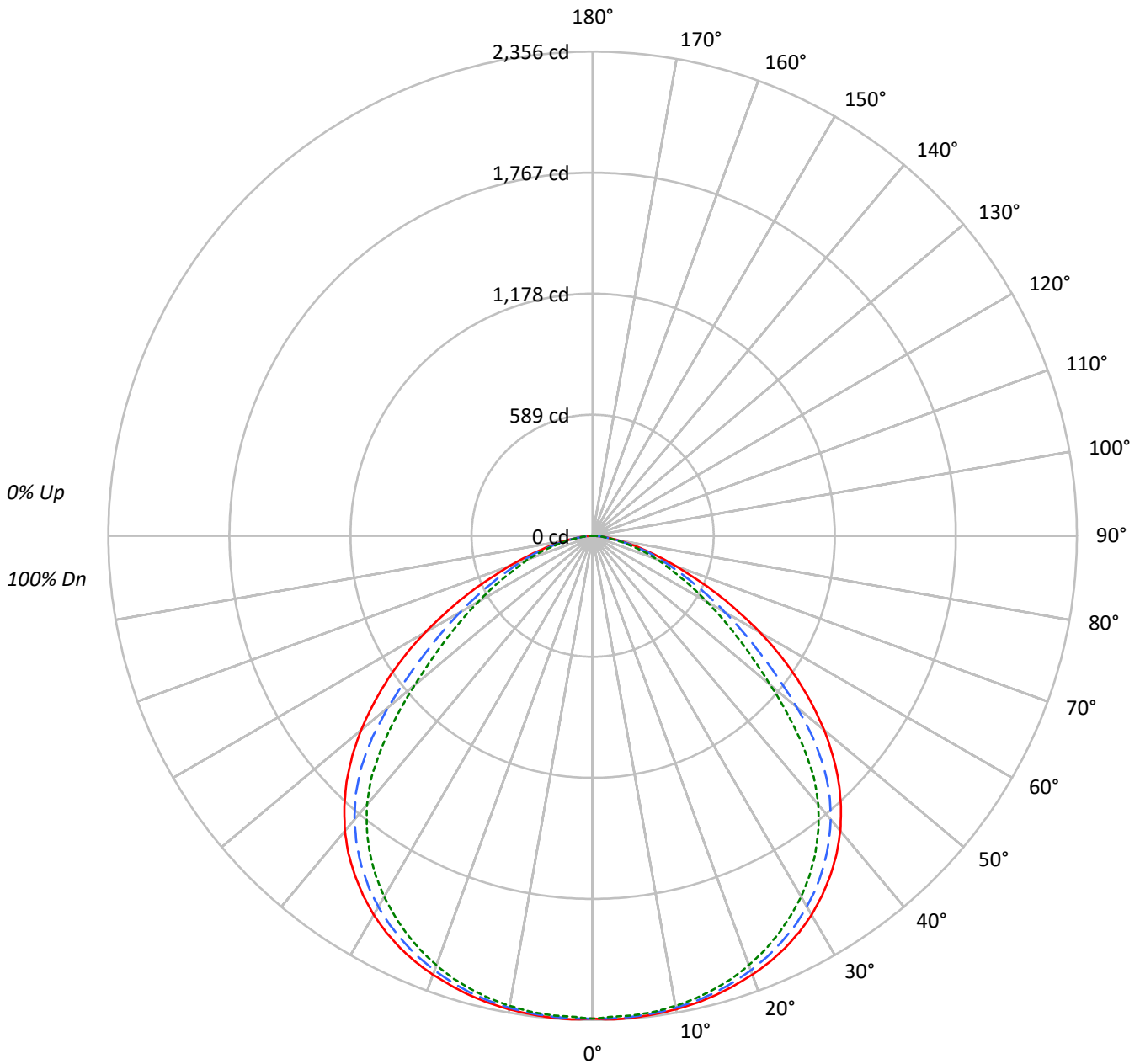
Lumens per Lamp: N/A
Luminaire Lumens: 6057.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6323	6323	6323
5°	6356	6342	6326
10°	6393	6371	6346
15°	6445	6412	6364
20°	6507	6444	6366
25°	6574	6470	6347
30°	6618	6477	6302
35°	6623	6441	6204
40°	6584	6330	5998
45°	6441	6055	5507
50°	6156	5424	4721
55°	5701	4649	4031
60°	5063	3992	3446
65°	4249	3405	2950
70°	3368	2894	2602
75°	2634	2361	2069
80°	1962	1760	1588
85°	1303	1149	1056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.4	3.7
10°-20°	649.3	10.7
20°-30°	1002.7	16.6
30°-40°	1220.4	20.1
40°-50°	1207.6	19.9
50°-60°	909.9	15.0
60°-70°	546.7	9.0
70°-80°	246.4	4.1
80°-90°	50.5	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°	1875.5	31.0
0°-40°	3095.9	51.1
0°-60°	5213.4	86.1
0°-90°	6057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2350	2350	2350	2350	2350	
5°	2353	2344	2348	2346	2342	224
15°	2314	2302	2302	2292	2284	654
25°	2214	2197	2179	2150	2138	1021
35°	2016	1994	1961	1913	1888	1260
45°	1692	1663	1591	1494	1447	1300
55°	1215	1130	991	894	859	1082
65°	667	605	535	478	463	663
75°	253	240	227	206	199	276
85°	42	43	37	35	34	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2349.8	2349.8	2349.8	2349.8	2349.8
2.5°	2355.8	2345.7	2350.8	2349.8	2341.7
5°	2352.8	2343.7	2347.7	2345.7	2341.7
7.5°	2347.7	2338.7	2341.7	2338.7	2334.7
10°	2339.7	2329.7	2331.7	2325.6	2322.6
12.5°	2328.7	2316.6	2318.6	2310.6	2306.5
15°	2313.6	2302.5	2301.5	2292.5	2284.4
17.5°	2294.5	2283.4	2277.4	2267.3	2258.3
20°	2272.4	2258.3	2250.3	2232.2	2223.1
22.5°	2246.2	2231.2	2218.1	2193.0	2183.9
25°	2214.1	2197.0	2178.9	2149.8	2137.7
27.5°	2174.9	2156.8	2135.7	2103.5	2085.4
30°	2129.7	2110.6	2084.4	2047.2	2028.1
32.5°	2076.4	2055.3	2027.1	1982.9	1962.8
35°	2016.1	1994.0	1960.8	1912.6	1888.4
37.5°	1950.8	1925.6	1886.4	1828.1	1804.0
40°	1874.4	1849.3	1802.0	1734.7	1707.5
42.5°	1787.9	1762.8	1705.5	1625.1	1592.0
45°	1692.5	1663.3	1591.0	1493.5	1447.2
47.5°	1585.9	1548.7	1454.3	1334.7	1288.4
50°	1470.4	1421.1	1295.5	1172.9	1127.6
52.5°	1344.7	1282.4	1137.7	1028.1	984.9
55°	1215.1	1129.7	991.0	894.5	859.3
57.5°	1080.4	977.9	862.3	777.9	744.7
60°	940.7	841.2	741.7	664.3	640.2
62.5°	798.0	716.6	634.2	562.8	549.8
65°	667.3	605.0	534.7	478.4	463.3
67.5°	535.7	500.5	446.2	408.0	391.0
70°	428.1	405.0	367.8	336.7	330.7
72.5°	334.7	319.6	305.5	278.4	267.3
75°	253.3	240.2	227.1	206.0	199.0
77.5°	182.9	177.9	166.8	152.8	149.7
80°	126.6	126.6	113.6	105.5	102.5
82.5°	78.4	85.4	71.4	66.3	63.3
85°	42.2	43.2	37.2	35.2	34.2
87.5°	16.1	18.1	17.1	14.1	14.1
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)