

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: P506041

Luminaire Tested: **14PD-60-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-60-PR1-L940
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 4000K LEDS
Light Source: -
Ballast/Driver: -

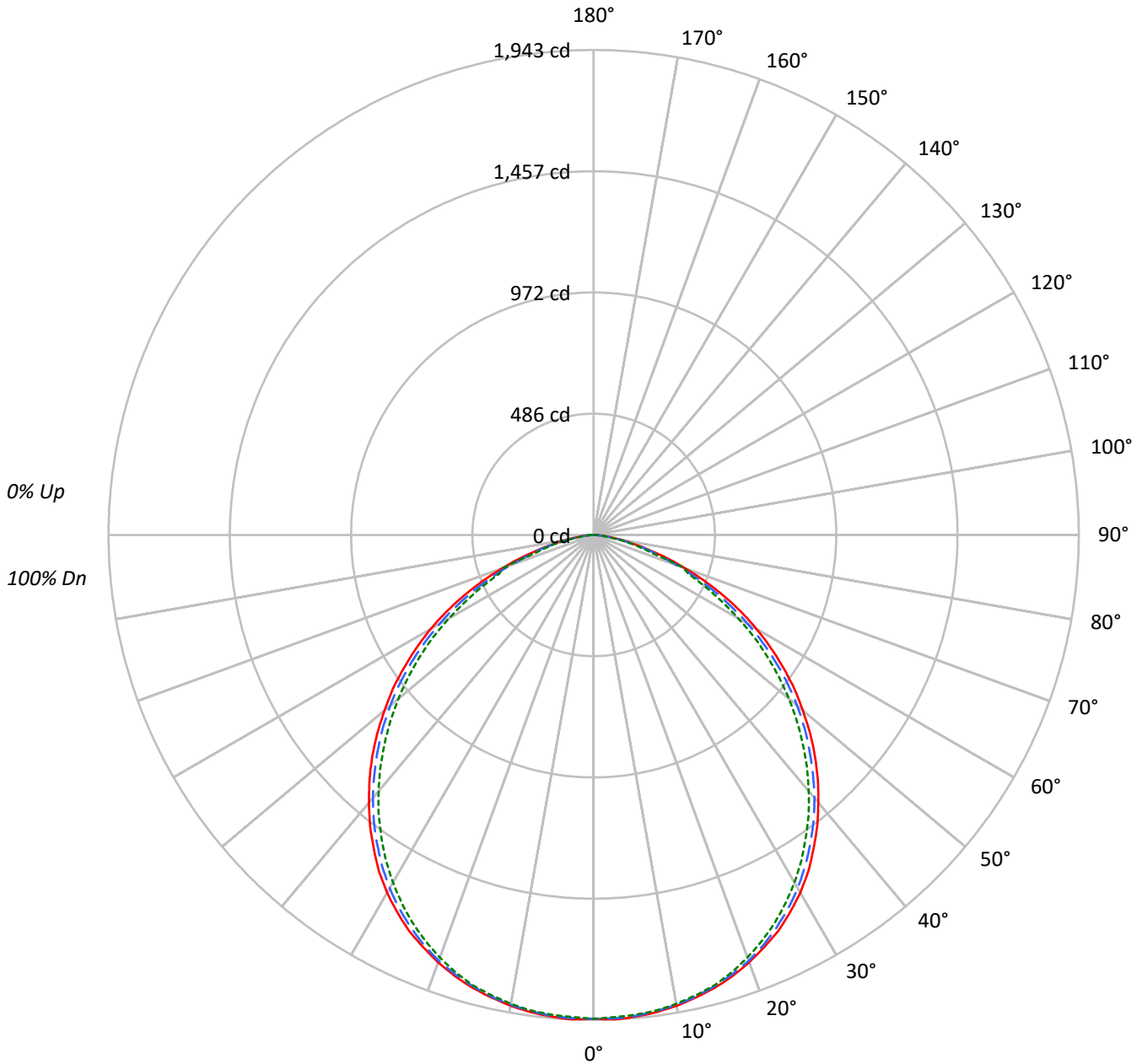
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4988.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
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: P506041
CATALOG NUMBER: 14PD-60-PR1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P506041

CATALOG NUMBER: 14PD-60-PR1-L940

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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5216	5216	5216
5°	5233	5225	5212
10°	5233	5223	5212
15°	5231	5215	5204
20°	5218	5198	5160
25°	5196	5151	5094
30°	5143	5077	4996
35°	5043	4967	4866
40°	4917	4833	4708
45°	4771	4654	4508
50°	4574	4453	4272
55°	4351	4180	3981
60°	4050	3839	3601
65°	3637	3380	3160
70°	3059	2787	3013
75°	2356	2266	2036
80°	1695	1517	1443
85°	1037	889	800



TEST NUMBER: P506041

CATALOG NUMBER: 14PD-60-PR1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.7	3.7
10°-20°	527.8	10.6
20°-30°	797.2	16.0
30°-40°	943.2	18.9
40°-50°	940.4	18.9
50°-60°	794.5	15.9
60°-70°	529.4	10.6
70°-80°	230.0	4.6
80°-90°	41.7	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°	1508.8	30.2
0°-40°	2452.0	49.2
0°-60°	4186.9	83.9
0°-90°	4988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1938	1938	1938	1938	1938	
5°	1937	1930	1934	1932	1930	184
15°	1878	1869	1872	1869	1868	530
25°	1750	1738	1735	1719	1716	805
35°	1535	1524	1512	1492	1481	960
45°	1254	1242	1223	1197	1185	965
55°	927	921	891	862	849	828
65°	571	564	531	508	496	565
75°	227	222	218	210	196	248
85°	34	35	29	27	26	46
90°	0	0	0	0	0	



TEST NUMBER: P506041

CATALOG NUMBER: 14PD-60-PR1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1938.2	1938.2	1938.2	1938.2	1938.2
2.5°	1943.0	1934.4	1938.2	1938.2	1933.4
5°	1937.2	1929.6	1934.4	1932.4	1929.6
7.5°	1928.6	1920.9	1923.8	1922.8	1921.9
10°	1915.2	1907.5	1911.3	1909.4	1907.5
12.5°	1897.9	1890.2	1894.0	1891.2	1889.2
15°	1877.7	1869.1	1872.0	1869.1	1868.1
17.5°	1852.8	1844.1	1845.1	1841.2	1837.4
20°	1822.0	1814.4	1815.3	1805.7	1801.9
22.5°	1786.5	1778.8	1777.9	1765.4	1760.6
25°	1750.0	1738.5	1734.7	1719.3	1715.5
27.5°	1704.0	1693.4	1687.6	1671.3	1663.6
30°	1655.0	1643.5	1633.9	1615.6	1608.0
32.5°	1599.3	1587.8	1575.3	1556.1	1547.5
35°	1535.0	1524.4	1512.0	1491.8	1481.3
37.5°	1470.7	1459.2	1446.7	1422.7	1414.1
40°	1399.7	1389.1	1375.7	1349.7	1340.1
42.5°	1328.6	1316.1	1299.8	1274.9	1264.3
45°	1253.7	1242.2	1223.0	1197.1	1184.6
47.5°	1175.0	1165.4	1145.3	1117.4	1104.0
50°	1092.5	1084.8	1063.7	1032.9	1020.5
52.5°	1013.7	1003.2	979.2	948.5	935.0
55°	927.3	920.6	890.9	862.1	848.6
57.5°	840.9	832.3	802.5	773.7	761.3
60°	752.6	744.9	713.3	684.5	669.1
62.5°	663.3	654.7	621.1	595.2	580.8
65°	571.2	564.5	530.9	507.8	496.3
67.5°	479.0	474.2	438.7	419.5	410.9
70°	388.8	382.1	354.2	346.6	383.0
72.5°	305.3	296.6	272.6	260.2	250.6
75°	226.6	221.8	217.9	210.2	195.8
77.5°	159.4	158.4	145.0	134.4	145.0
80°	109.4	113.3	97.9	89.3	93.1
82.5°	67.2	74.9	58.6	51.8	49.9
85°	33.6	34.6	28.8	26.9	25.9
87.5°	12.5	14.4	12.5	10.6	10.6
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)