

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: P506742

Luminaire Tested: **24PD-60-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-60-PR1-L935
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 3500K LEDS
Light Source: -
Ballast/Driver: -

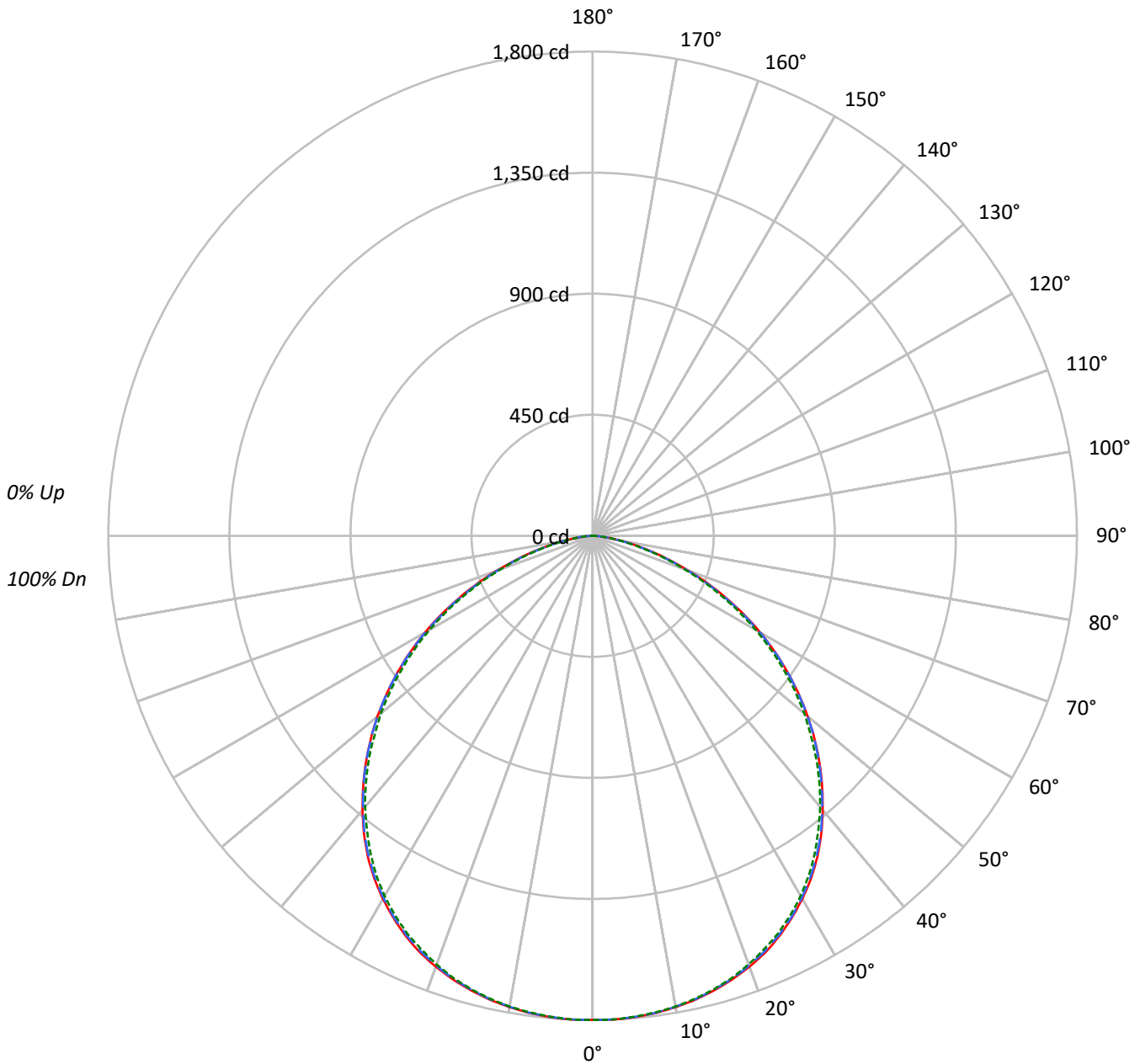
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4846.0 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.9
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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2422	2422	2422
5°	2426	2425	2424
10°	2431	2429	2428
15°	2436	2433	2430
20°	2441	2435	2428
25°	2438	2431	2421
30°	2422	2415	2402
35°	2392	2385	2366
40°	2337	2331	2311
45°	2268	2265	2239
50°	2184	2183	2150
55°	2076	2072	2033
60°	1935	1928	1884
65°	1743	1723	1683
70°	1489	1467	1430
75°	1177	1150	1124
80°	836	814	789
85°	502	488	474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	3.5
10°-20°	493.3	10.2
20°-30°	754.1	15.6
30°-40°	905.5	18.7
40°-50°	915.1	18.9
50°-60°	786.3	16.2
60°-70°	536.4	11.1
70°-80°	241.2	5.0
80°-90°	43.4	0.9
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°	1418.2	29.3
0°-40°	2323.7	48.0
0°-60°	4025.1	83.1
0°-90°	4846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1800	1800	1800	1800	1800	
5°	1796	1796	1795	1794	1794	171
15°	1749	1748	1747	1745	1745	494
25°	1642	1642	1638	1632	1631	756
35°	1456	1456	1452	1443	1440	909
45°	1192	1195	1190	1182	1177	919
55°	885	888	883	875	866	790
65°	548	550	541	537	529	542
75°	226	228	221	220	216	245
85°	32	33	32	32	31	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1800.0	1800.0	1800.0	1800.0	1800.0
2.5°	1800.5	1800.0	1799.6	1798.6	1800.0
5°	1796.3	1795.8	1795.4	1794.4	1794.4
7.5°	1789.8	1788.9	1788.9	1787.5	1787.0
10°	1779.6	1779.1	1777.7	1777.7	1777.2
12.5°	1766.6	1765.6	1764.2	1763.8	1762.8
15°	1748.9	1748.4	1746.6	1745.2	1744.7
17.5°	1728.9	1727.5	1726.1	1722.9	1722.9
20°	1704.7	1703.8	1700.5	1697.3	1695.4
22.5°	1676.8	1675.0	1671.3	1668.0	1664.3
25°	1642.4	1642.0	1637.8	1632.2	1630.8
27.5°	1602.4	1603.4	1599.2	1593.6	1590.8
30°	1558.7	1560.6	1554.6	1547.6	1546.2
32.5°	1510.9	1511.3	1506.2	1498.8	1496.0
35°	1456.5	1456.5	1451.8	1443.0	1440.2
37.5°	1396.0	1395.6	1392.8	1382.6	1377.4
40°	1330.5	1332.8	1327.2	1317.9	1315.6
42.5°	1262.6	1265.4	1260.3	1252.4	1247.3
45°	1192.0	1195.2	1190.1	1181.7	1176.6
47.5°	1119.0	1121.3	1117.6	1106.9	1099.9
50°	1043.2	1047.8	1042.7	1031.6	1026.9
52.5°	965.1	970.2	964.2	955.8	947.0
55°	885.1	888.4	883.3	875.4	866.5
57.5°	802.9	809.4	801.0	791.7	784.3
60°	719.2	724.8	716.4	708.0	700.1
62.5°	634.1	637.8	628.5	623.4	614.1
65°	547.6	550.4	541.1	537.4	528.6
67.5°	462.1	464.4	455.6	450.5	445.4
70°	378.4	380.3	372.8	368.2	363.5
72.5°	299.4	299.8	292.9	291.5	285.9
75°	226.4	228.3	221.3	219.9	216.2
77.5°	162.7	163.2	158.5	157.6	154.3
80°	107.9	108.3	105.1	104.6	101.8
82.5°	65.1	65.5	62.8	62.8	60.9
85°	32.5	33.0	31.6	31.6	30.7
87.5°	11.2	11.6	11.2	11.2	10.7
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)