

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: P506740

Luminaire Tested: **24PD-60-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506740
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-L927
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

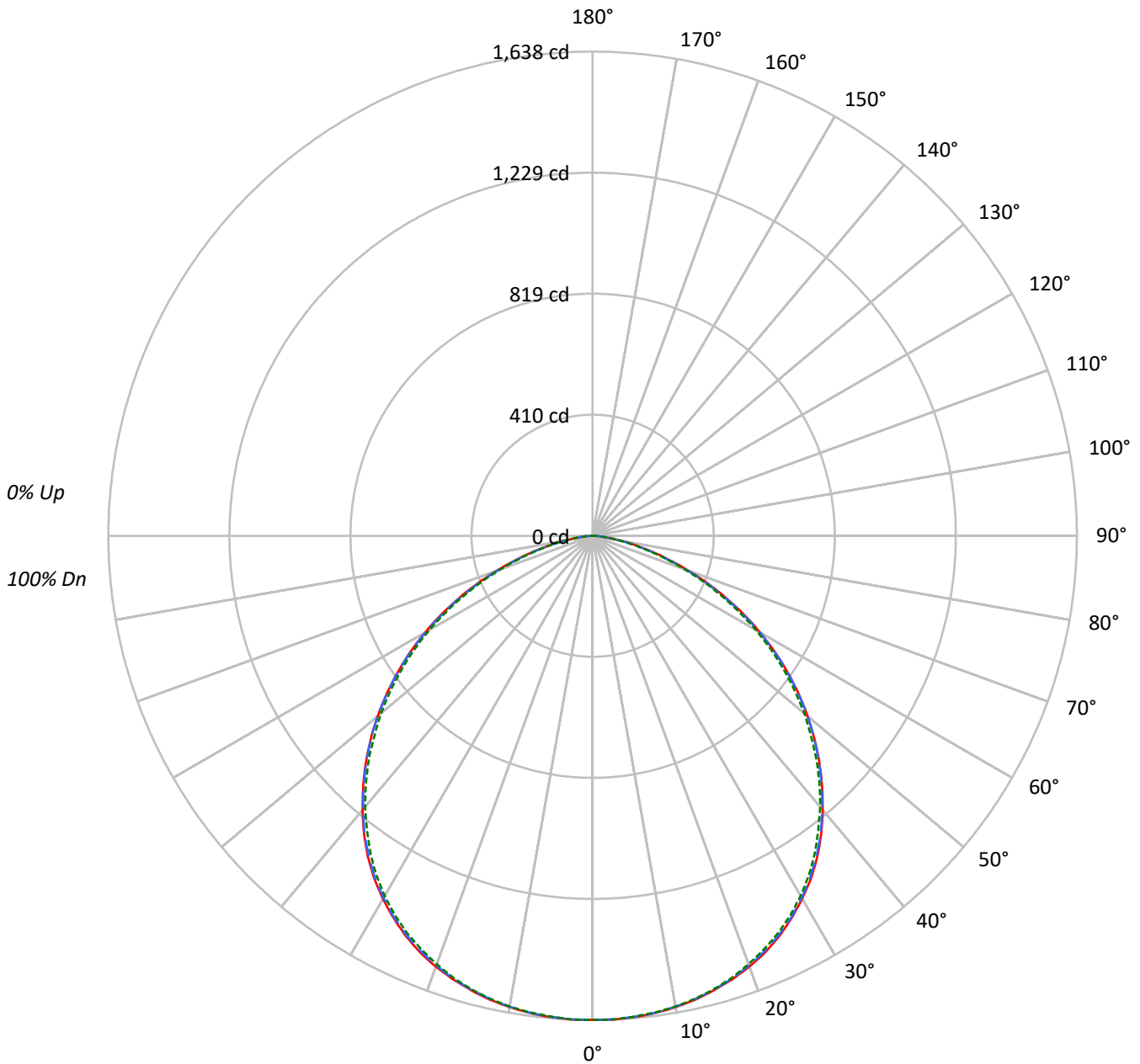
Lumens per Lamp: N/A
Luminaire Lumens: 4409.0 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2204	2204	2204
5°	2207	2206	2205
10°	2212	2210	2209
15°	2216	2214	2211
20°	2221	2215	2209
25°	2218	2212	2203
30°	2203	2197	2186
35°	2177	2170	2152
40°	2126	2121	2102
45°	2064	2060	2037
50°	1987	1986	1956
55°	1889	1885	1849
60°	1761	1754	1714
65°	1586	1567	1531
70°	1354	1334	1301
75°	1071	1046	1023
80°	760	741	717
85°	457	445	431



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	3.5
10°-20°	448.8	10.2
20°-30°	686.1	15.6
30°-40°	823.9	18.7
40°-50°	832.6	18.9
50°-60°	715.4	16.2
60°-70°	488.0	11.1
70°-80°	219.4	5.0
80°-90°	39.5	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°	1290.3	29.3
0°-40°	2114.1	48.0
0°-60°	3662.1	83.1
0°-90°	4409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4409.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1638	1638	1638	1638	1638	
5°	1634	1634	1634	1633	1633	156
15°	1591	1591	1589	1588	1587	449
25°	1494	1494	1490	1485	1484	688
35°	1325	1325	1321	1313	1310	827
45°	1084	1087	1083	1075	1070	836
55°	805	808	804	796	788	719
65°	498	501	492	489	481	493
75°	206	208	201	200	197	223
85°	30	30	29	29	28	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1638.1	1637.7	1637.3	1636.4	1637.7
5°	1634.3	1633.9	1633.5	1632.6	1632.6
7.5°	1628.4	1627.5	1627.5	1626.3	1625.9
10°	1619.1	1618.7	1617.4	1617.4	1617.0
12.5°	1607.2	1606.4	1605.1	1604.7	1603.9
15°	1591.2	1590.8	1589.1	1587.8	1587.4
17.5°	1573.0	1571.7	1570.5	1567.5	1567.5
20°	1551.0	1550.1	1547.2	1544.2	1542.5
22.5°	1525.6	1523.9	1520.5	1517.6	1514.2
25°	1494.3	1493.9	1490.1	1485.0	1483.7
27.5°	1457.9	1458.8	1455.0	1449.9	1447.4
30°	1418.2	1419.9	1414.4	1408.0	1406.8
32.5°	1374.6	1375.0	1370.4	1363.6	1361.1
35°	1325.1	1325.1	1320.9	1312.9	1310.3
37.5°	1270.1	1269.7	1267.2	1257.9	1253.2
40°	1210.5	1212.6	1207.6	1199.1	1197.0
42.5°	1148.8	1151.3	1146.6	1139.5	1134.8
45°	1084.5	1087.4	1082.8	1075.2	1070.5
47.5°	1018.1	1020.2	1016.8	1007.1	1000.7
50°	949.1	953.4	948.7	938.5	934.3
52.5°	878.1	882.7	877.2	869.6	861.6
55°	805.3	808.3	803.6	796.4	788.4
57.5°	730.5	736.4	728.8	720.3	713.5
60°	654.3	659.4	651.8	644.2	637.0
62.5°	576.9	580.3	571.8	567.2	558.7
65°	498.2	500.8	492.3	488.9	480.9
67.5°	420.4	422.5	414.5	409.8	405.2
70°	344.3	346.0	339.2	335.0	330.8
72.5°	272.4	272.8	266.5	265.2	260.1
75°	206.0	207.7	201.3	200.1	196.7
77.5°	148.0	148.5	144.2	143.4	140.4
80°	98.1	98.5	95.6	95.2	92.6
82.5°	59.2	59.6	57.1	57.1	55.4
85°	29.6	30.0	28.8	28.8	27.9
87.5°	10.2	10.6	10.2	10.2	9.7
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)