

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: P506582

Luminaire Tested: **24PD-30-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506582
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-30-PR1-L950
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

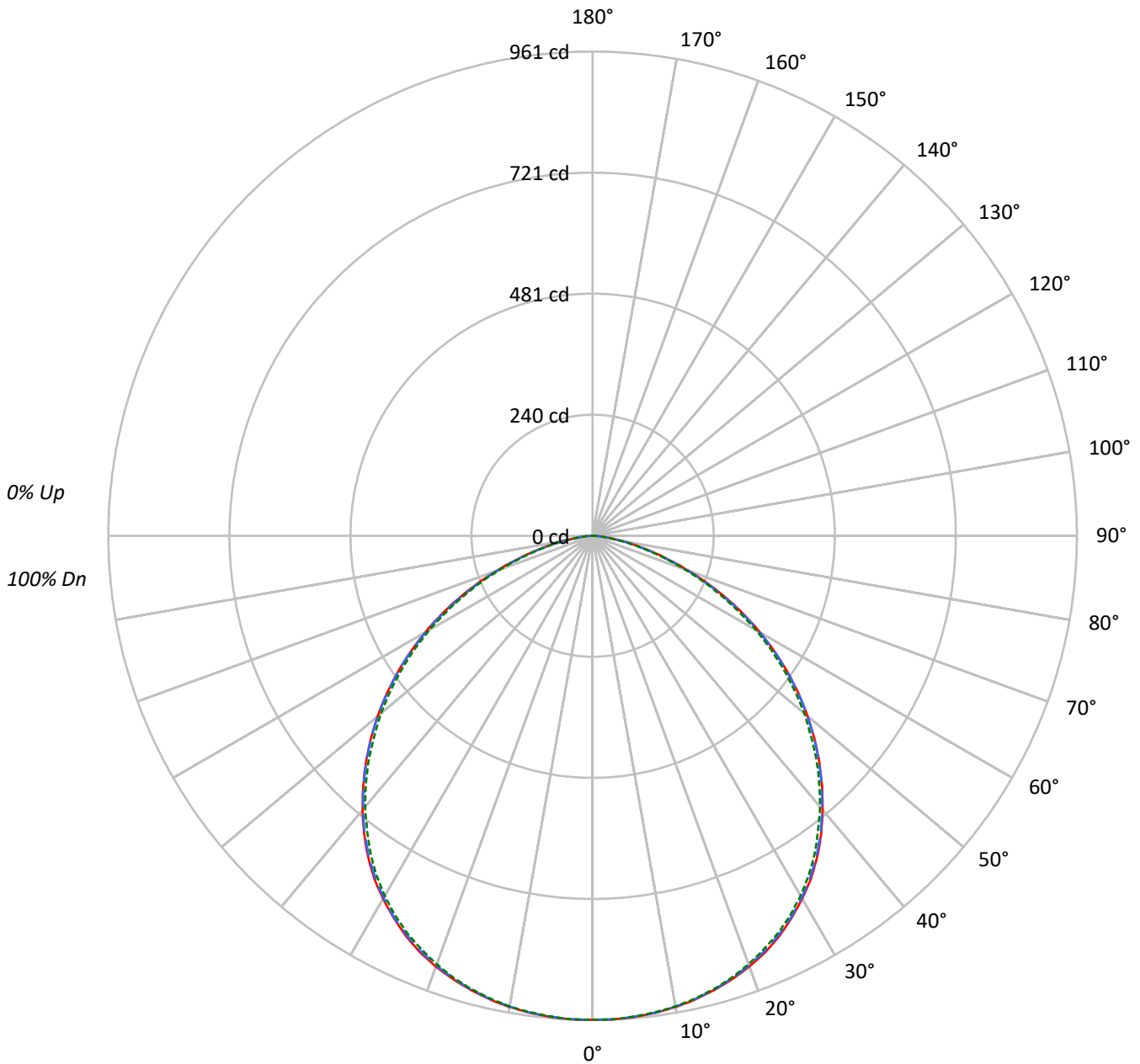
Lumens per Lamp: N/A
Luminaire Lumens: 2586.0 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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	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°	1292	1292	1292
5°	1295	1294	1293
10°	1297	1296	1296
15°	1300	1298	1297
20°	1303	1299	1295
25°	1301	1298	1292
30°	1292	1289	1282
35°	1277	1272	1262
40°	1247	1244	1233
45°	1210	1208	1195
50°	1165	1165	1147
55°	1108	1106	1085
60°	1033	1029	1005
65°	930	919	898
70°	794	783	763
75°	628	614	600
80°	446	435	421
85°	269	261	253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	3.5
10°-20°	263.2	10.2
20°-30°	402.4	15.6
30°-40°	483.2	18.7
40°-50°	488.3	18.9
50°-60°	419.6	16.2
60°-70°	286.2	11.1
70°-80°	128.7	5.0
80°-90°	23.2	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°	756.8	29.3
0°-40°	1240.0	48.0
0°-60°	2147.9	83.1
0°-90°	2586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	961	961	961	961	961	
5°	959	958	958	958	958	91
15°	933	933	932	931	931	264
25°	876	876	874	871	870	404
35°	777	777	775	770	768	485
45°	636	638	635	631	628	490
55°	472	474	471	467	462	422
65°	292	294	289	287	282	289
75°	121	122	118	117	115	131
85°	17	18	17	17	16	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	960.6	960.6	960.6	960.6	960.6
2.5°	960.8	960.6	960.3	959.8	960.6
5°	958.6	958.3	958.1	957.6	957.6
7.5°	955.1	954.6	954.6	953.9	953.6
10°	949.6	949.4	948.6	948.6	948.4
12.5°	942.7	942.2	941.5	941.2	940.7
15°	933.3	933.0	932.0	931.3	931.0
17.5°	922.6	921.9	921.1	919.4	919.4
20°	909.7	909.2	907.5	905.7	904.7
22.5°	894.8	893.8	891.8	890.1	888.1
25°	876.5	876.2	874.0	871.0	870.3
27.5°	855.1	855.6	853.4	850.4	848.9
30°	831.8	832.8	829.6	825.9	825.1
32.5°	806.3	806.5	803.8	799.8	798.3
35°	777.2	777.2	774.7	770.0	768.5
37.5°	745.0	744.7	743.2	737.8	735.1
40°	710.0	711.2	708.3	703.3	702.1
42.5°	673.8	675.3	672.5	668.3	665.6
45°	636.1	637.8	635.1	630.6	627.9
47.5°	597.1	598.4	596.4	590.7	587.0
50°	556.7	559.2	556.4	550.5	548.0
52.5°	515.0	517.7	514.5	510.0	505.3
55°	472.3	474.1	471.3	467.1	462.4
57.5°	428.4	431.9	427.4	422.5	418.5
60°	383.8	386.8	382.3	377.8	373.6
62.5°	338.4	340.4	335.4	332.7	327.7
65°	292.2	293.7	288.8	286.8	282.1
67.5°	246.6	247.8	243.1	240.4	237.7
70°	201.9	202.9	199.0	196.5	194.0
72.5°	159.8	160.0	156.3	155.5	152.6
75°	120.8	121.8	118.1	117.3	115.4
77.5°	86.8	87.1	84.6	84.1	82.4
80°	57.6	57.8	56.1	55.8	54.3
82.5°	34.7	35.0	33.5	33.5	32.5
85°	17.4	17.6	16.9	16.9	16.4
87.5°	6.0	6.2	6.0	6.0	5.7
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)