

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: PORTFOLIO

Report Number: P244944

Luminaire Tested: **LD8B10D010 ER8B10930 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B10D010 ER8B10930 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1001.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

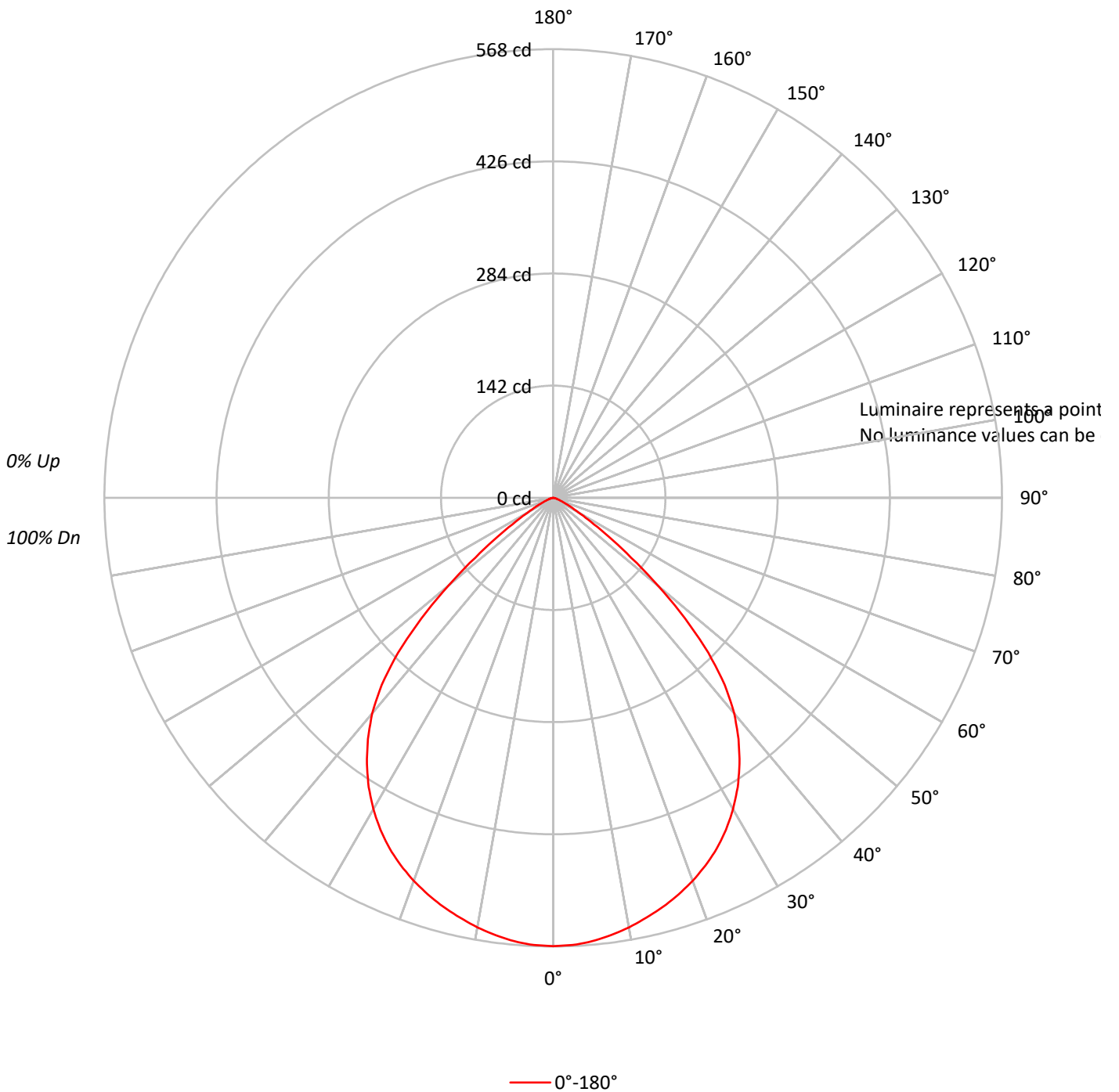
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86		90	87	85		88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61		70	64	60		68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55		64	58	54		63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49		59	53	49		58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	5.3
10°-20°	151.2	15.1
20°-30°	225.2	22.5
30°-40°	255.8	25.6
40°-50°	209.1	20.9
50°-60°	81.9	8.2
60°-70°	19.1	1.9
70°-80°	4.6	0.5
80°-90°	0.7	0.1
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°	429.8	42.9
0°-40°	685.6	68.5
0°-60°	976.6	97.6
0°-90°	1001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	568	
5°	564	53
15°	536	151
25°	490	225
35°	411	256
45°	278	209
55°	85	82
65°	18	19
75°	4	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	567.6
2.5°	566.7
5°	563.6
7.5°	558.6
10°	552.2
12.5°	544.4
15°	536.3
17.5°	526.6
20°	516.1
22.5°	503.8
25°	489.9
27.5°	473.6
30°	455.2
32.5°	434.5
35°	411.0
37.5°	385.1
40°	356.3
42.5°	321.3
45°	277.7
47.5°	226.4
50°	173.1
52.5°	124.3
55°	85.2
57.5°	55.7
60°	37.3
62.5°	25.6
65°	17.7
67.5°	11.8
70°	7.8
72.5°	5.4
75°	4.3
77.5°	3.0
80°	1.8
82.5°	0.9
85°	0.6
87.5°	0.3
90°	0.0

(END OF REPORT)