

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: P243927

Luminaire Tested: **LD8B30D010 ER8B30950 8LBNOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-10)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30950 8LBN0LI
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2719.0 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.32
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

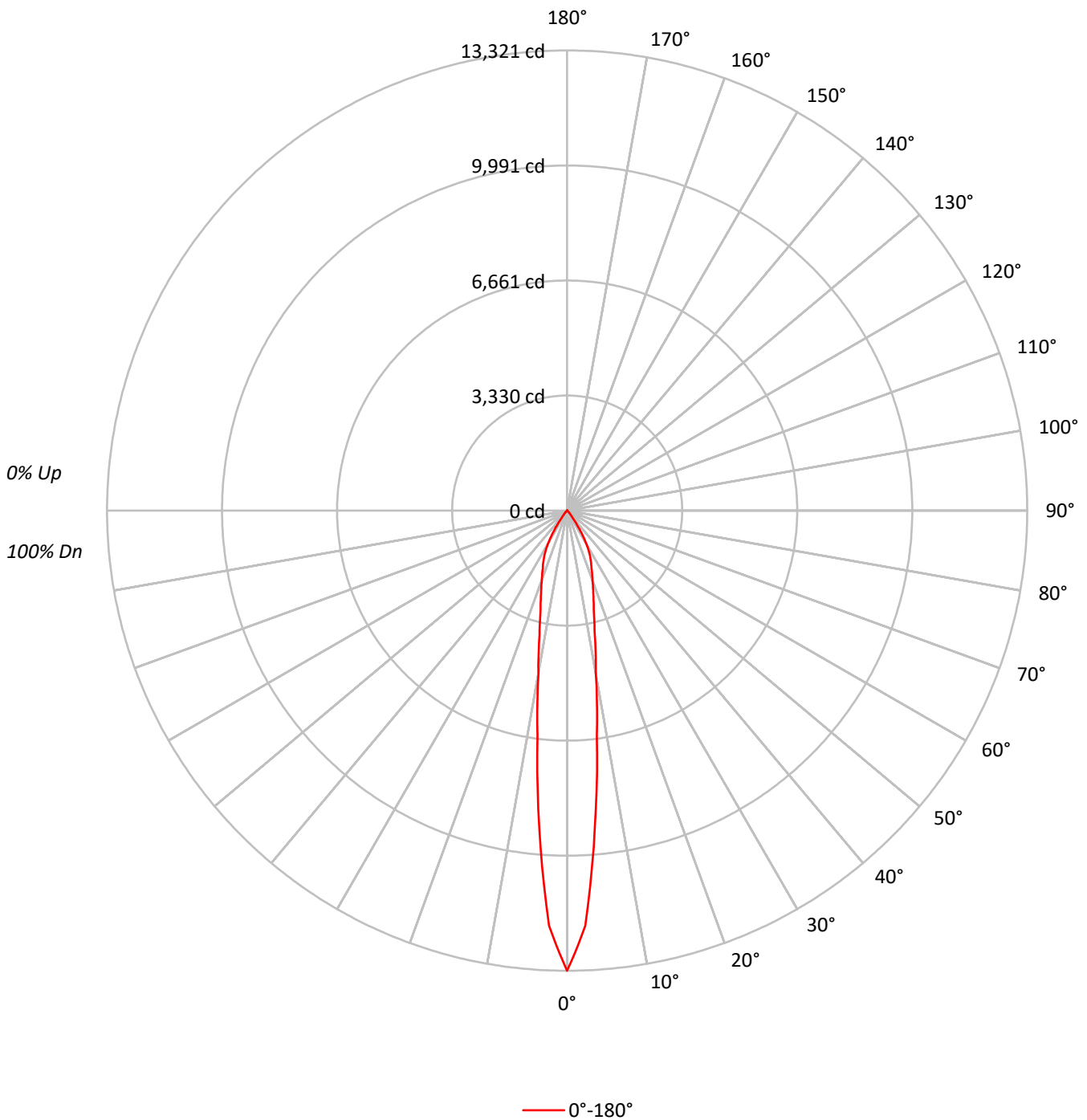
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	100	108	104	101	99	101	99	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82		87	84	81		85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78		83	80	77		82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74		80	77	74		79	76	74	72
8	88	80	75	72	86	79	75	71	78	74	71		77	74	71		76	73	71	70
9	85	77	72	69	84	76	72	69	75	71	68		75	71	68		74	70	68	67
10	82	74	69	66	81	73	69	66	73	69	66		72	68	66		71	68	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	410780
5°	285307
10°	150135
15°	94993
20°	70592
25°	55500
30°	39958
35°	17147
40°	5978
45°	2294
50°	532
55°	199
60°	0
65°	270
70°	81
75°	214
80°	320
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	738.9	27.2
10°-20°	858.5	31.6
20°-30°	741.0	27.3
30°-40°	321.5	11.8
40°-50°	50.4	1.9
50°-60°	3.6	0.1
60°-70°	2.0	0.1
70°-80°	2.0	0.1
80°-90°	1.0	0.0
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°	2338.5	86.0
0°-40°	2660.0	97.8
0°-60°	2714.0	99.8
0°-90°	2719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2719.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13321	
5°	9217	739
15°	2976	859
25°	1631	741
35°	456	321
45°	53	50
55°	4	4
65°	4	2
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13321.3
2.5°	12029.5
5°	9217.1
7.5°	6573.5
10°	4794.8
12.5°	3679.1
15°	2975.6
17.5°	2502.5
20°	2151.2
22.5°	1851.5
25°	1631.2
27.5°	1398.8
30°	1122.2
32.5°	780.1
35°	455.5
37.5°	254.5
40°	148.5
42.5°	92.2
45°	52.6
47.5°	42.4
50°	11.1
52.5°	5.5
55°	3.7
57.5°	1.8
60°	0.0
62.5°	0.9
65°	3.7
67.5°	2.8
70°	0.9
72.5°	4.6
75°	1.8
77.5°	0.0
80°	1.8
82.5°	0.9
85°	0.0
87.5°	1.8
90°	0.0

(END OF REPORT)