

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: P243847

Luminaire Tested: **LSR8B15D010 EC8B15940 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15940 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1449.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

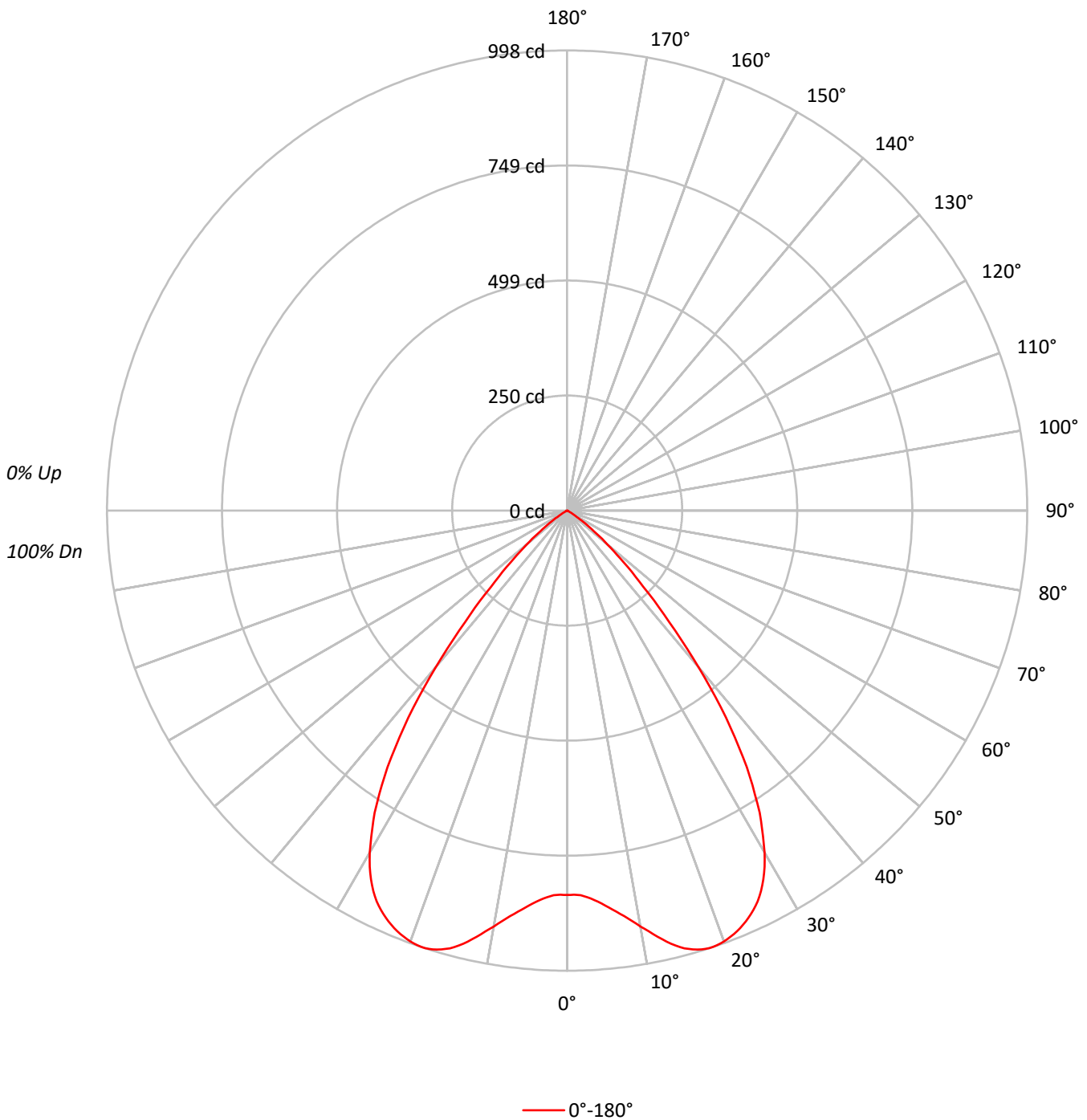
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25708
5°	26469
10°	28676
15°	31375
20°	32641
25°	32520
30°	30504
35°	25579
40°	17808
45°	10200
50°	5478
55°	2258
60°	561
65°	146
70°	72
75°	48
80°	71
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	5.8
10°-20°	277.0	19.1
20°-30°	435.8	30.1
30°-40°	414.6	28.6
40°-50°	191.1	13.2
50°-60°	43.4	3.0
60°-70°	2.9	0.2
70°-80°	0.6	0.0
80°-90°	0.1	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°	796.4	55.0
0°-40°	1211.0	83.6
0°-60°	1445.5	99.8
0°-90°	1449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1449.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	834	
5°	855	84
15°	983	277
25°	956	436
35°	680	415
45°	234	191
55°	42	43
65°	2	3
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	833.7
1°	833.3
2°	834.9
3°	839.7
4°	846.8
5°	855.1
6°	865.4
7°	876.5
8°	888.0
9°	901.5
10°	915.8
11°	930.0
12°	945.1
13°	959.4
14°	972.5
15°	982.8
16°	990.3
17°	995.5
18°	997.8
19°	997.4
20°	994.7
21°	989.9
22°	984.0
23°	976.0
24°	966.9
25°	955.8
26°	942.7
27°	926.1
28°	906.3
29°	883.3
30°	856.7
32.5°	777.0
35°	679.5
37.5°	566.1
40°	442.4
42.5°	327.1
45°	233.9
47.5°	165.7
50°	114.2
52.5°	72.9
55°	42.0
57.5°	21.0
60°	9.1
62.5°	3.6
65°	2.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.2
70°	0.8
72.5°	0.8
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)