

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: P246310

Luminaire Tested: **LSR8B40D010 EC8B409727 8LBW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B409727 8LBW0B
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1950.0 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

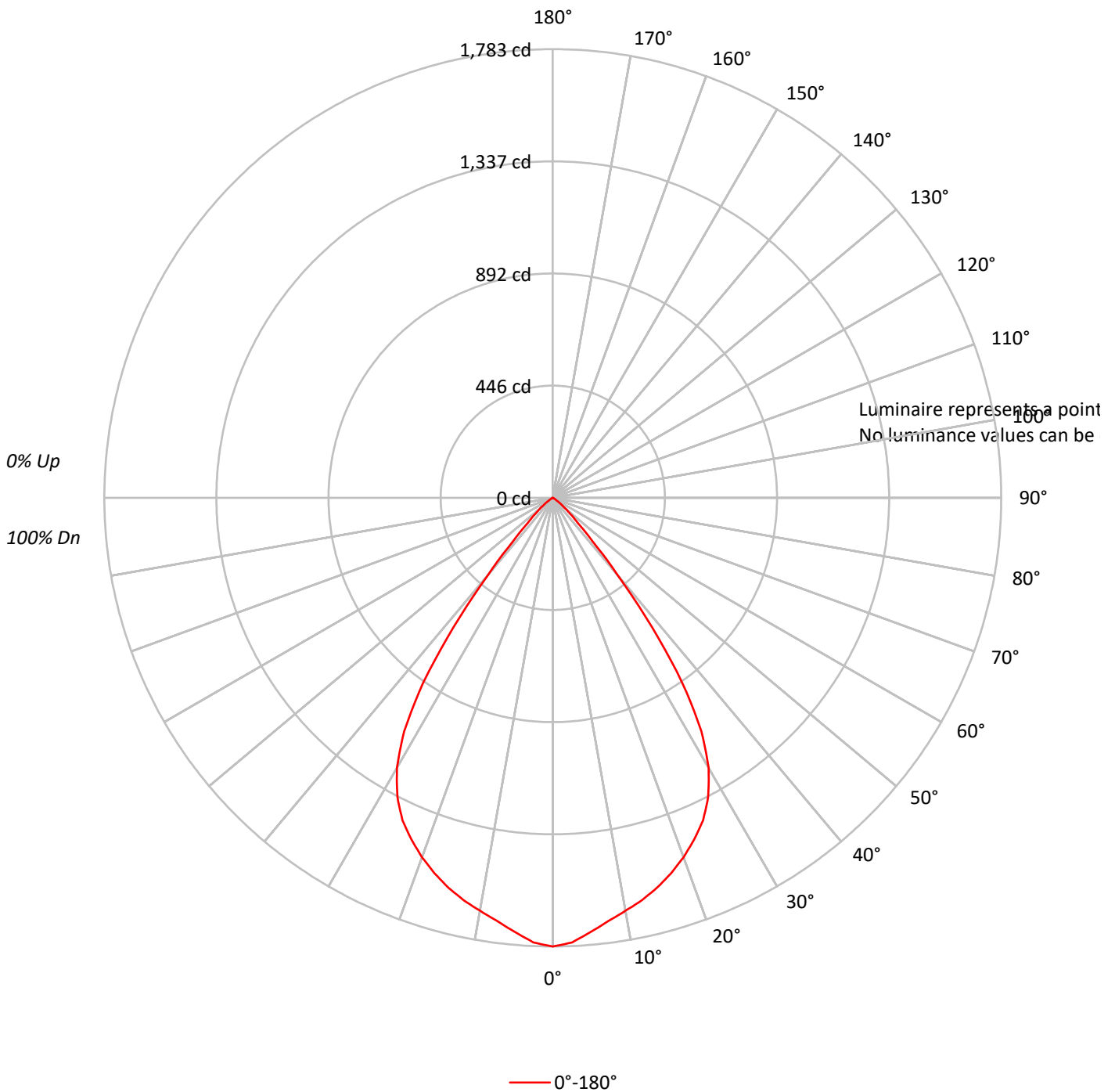
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100			
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93	93	93	93			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	85	82	86	84	81	80	80	80	80			
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	74	74	74	74			
5	91	82	76	72	89	81	76	71	80	75	71	78	74	70	76	73	70	68	68	68	68			
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	65	63	63	63	63			
7	82	72	66	61	80	71	65	61	70	64	61	69	64	60	67	63	60	58	58	58	58			
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	54	54	54	54			
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51	51	51	51			
10	70	59	53	49	68	59	53	49	58	53	49	57	52	49	57	52	49	47	47	47	47			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	8.4
10°-20°	451.4	23.1
20°-30°	644.5	33.1
30°-40°	534.1	27.4
40°-50°	131.7	6.8
50°-60°	23.7	1.2
60°-70°	1.3	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	1259.1	64.6
0°-40°	1793.3	92.0
0°-60°	1948.7	99.9
0°-90°	1950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1950.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1783	
5°	1732	163
15°	1604	451
25°	1414	644
35°	899	534
45°	141	132
55°	23	24
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1783.2
2.5°	1768.3
5°	1731.7
7.5°	1696.1
10°	1666.4
12.5°	1637.6
15°	1604.0
17.5°	1564.4
20°	1519.8
22.5°	1469.3
25°	1413.9
27.5°	1338.6
30°	1239.6
32.5°	1100.0
35°	899.0
37.5°	649.5
40°	400.0
42.5°	232.7
45°	140.6
47.5°	93.1
50°	62.4
52.5°	40.6
55°	22.8
57.5°	10.9
60°	5.0
62.5°	2.0
65°	1.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)